

DX LISTENING DIGEST 16-08, February 24, 2016  
Incorporating REVIEW OF INTERNATIONAL BROADCASTING  
edited by Glenn Hauser, <http://www.worldofradio.com>

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[also link to previous years]

NOTE: If you are a regular reader of DXLD, and a source of DX news but have not been sending it directly to us, please consider yourself obligated to do so. Thanks, Glenn

WORLD OF RADIO 1814 CONTENTS: \*DX and station news about:  
Afghanistan non, Angola, Australia, Belarus, Bougainville, Brazil, China, Cuba, Ecuador, Ethiopia non, France, Germany, Greece, Guyana, Italy, Indonesia, Malaysia and non, Marshall Islands, New Zealand, Sarawak non, Solomon Islands, Sri Lanka, Uganda non, USA

SHORTWAVE AIRINGS of WORLD OF RADIO 1814, February 25-March 2, 2016

Thu 1230	WRMI	9955
Thu 2100	WRMI	13695 [confirmed]
Fri 0030	WBCQ	9330v-CUSB [confirmed]
Fri 2130	WRMI	15770 [confirmed]
Fri 2130	WRMI	13695 [confirmed]
Sat 0030	WBCQ	9330v-CUSB [confirmed]
Sat 0730	HLR	6190-CUSB Hamburger Lokalradio [confirmed]
Sat 1530	HLR	7265-CUSB Hamburger Lokalradio
Sat 2030v	WA0RCR	1860-AM
Sat 2330	WBCQ	9330v-CUSB [confirmed]
Sun 0410v	WA0RCR	1860-AM [confirmed from 0417]
Mon 0030	WBCQ	9330v-CUSB [confirmed]
Mon 0400v	WBCQ	5110v Area 51
Mon 0430	WRMI	9955
Tue 0030	WBCQ	9330v-CUSB
Tue 1200	WRMI	9955
Wed 0030	WBCQ	9330v-CUSB
Wed 1415	WRMI	9955
Wed 2200	WBCQ	7490v
Thu 0030	WBCQ	9330v-CUSB

Latest edition of this schedule version, including AM, FM, satellite and webcasts with hotlinks to station sites and audio, is at:

<http://www.worldofradio.com/radioskd.html> or

<http://schedule.worldofradio.org> or <http://sked.worldofradio.org>

For updates see our Anomaly Alert page:

<http://www.worldofradio.com/anomaly.html>

#### WORLD OF RADIO PODCASTS:

Tnx to Dr Harald Gabler and the Rhein-Main Radio Club.

<http://www.rmrc.de/index.php/rmrc-audio-plattform/podcast/glenn-hauser-wor>

#### ALTERNATIVE PODCASTS, tnx Stephen Cooper:

<http://shortwave.am/wor.xml>

#### AND ANOTHER PODCAST ALTERNATIVE, tnx to Keith Weston:

<http://feeds.feedburner.com/GlennHauersWorldOfRadio>

Also via [but still not back in service]:

<http://tunein.com/radio/World-of-Radio-p198/>

#### OUR ONDEMAND AUDIO:

<http://www.worldofradio.com/audiomid.html>

or <http://wor.worldofradio.org>

#### DAY-BY-DAY ARCHIVE OF GLENN HAUSER'S LOG REPORTS:

Unedited, uncondensed, unchanged from original version, many of them too complex, minutely researched, multi-frequency, opinionated, inconsequential, off-topic, or lengthy for some log editors to manage; and also ahead of their availability in these weekly issues:

<http://www.hard-core-dx.com/index.php?topic=Hauser>

NOTE: I have \*resolved\* to make DXLD leaner, more selective, as I seriously need to reduce my workload, much of which has been merely editing gobs of material into presentable form. This makes it even more important to be a member of the DXLD yg for additional material which may not make it into weekly isssues (gh)

DXLD YAHOOGROUP: Why wait for DXLD? A lot more info, not all of it appearing in DXLD later, is posted at our yg without delay.

When applying, please identify yourself with your real name and location, and say something about why you want to join. Those who do not, unless I recognize them, will be prompted once to do so and no action will be taken otherwise. Here's where to sign up:

<http://groups.yahoo.com/group/dxld/>

\*\* AFGHANISTAN [non]. USA(non), Good signal of Radio Free Afghanistan,

the only station in this range from 0945 on 19010 KWT 250 kW / 070 deg to WeAs Dari/Pashto, scheduled 0430-1230

<http://swldxbulgaria.blogspot.bg/2016/02/good-signal-of-radio-free-afghanistan.html>

(Ivo Ivanov, B'lgaria, Feb 22, dxldyg via WORLD OF RADIO 1814, DXLD)

As usual in the A-seasons, plan is for another Kuwait transmission, 11-14 on 18930 in A-16, RFA in Tibetan, thus requiring ChiCom jamming. Likely will resume jumping around half a dozen other frequencies depending on which of the three hours and which day of week, and the CNR1 or maybe Firedrake jamming following them around. At least this is until an hour late enough after sunrise to make it to North America (Glenn Hauser, ibid.)

\*\* ALBANIA. Good signal of Radio Tirana HS-1, February 21:

0800-1000 on 7390 SHI 100 kW / 310 deg to WeEu Albanian

<http://swldxbulgaria.blogspot.bg/2016/02/good-signal-of-radio-tirana-hs-1.html>

(DX RE MIX NEWS #940 from Georgi Bancov and Ivo Ivanov, Feb 22, 2016, via DXLD)

At 0253 UT Radio Tirana 7465 and Moldova Persian 7460, both equal S=9+5dB, and 7470 Deewa S=7-8 too, 7485 or 7435 kHz would be the cleaner channel choice (Wolfgang B,schel, Germany, UT Feb 24, DX LISTENING DIGEST)

7485 is out of the question due to 7490- WBCQ. The 7460 and 7470 adjacencies are not much of a problem here in target N America, weaker than 7465 Tirana (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* ANGOLA. 4950, Feb 18, 0335-0341, R. Nacional de Angola, mulenvos, in Portuguese. A musical program; All songs. Very poor signal and barely audible modulation, 25331 (DXer JosÈ Ronaldo Xavier (JRX), Cabedelo [PB], Brazil, Sony ICF-SW100S, Hard-Core-DX mailing list via DXLD)

Radio Nacional de Angola's website <http://rna.ao> now streams all five of their domestic networks and - unpublicised and hidden away - their international service. It shares FM frequencies with domestic network Radio N'Gola Yetu so when that signs off at 20:00 UT the International Channel is streamed. It was observed yesterday with the schedule as per current WRTH, i.e. 20:00 Lingala; 21:00 French; 22:00 English; 23:00 Portuguese. The canned(?) announcement at the start of the broadcast stated "mediumwave 7215 and 7245 kHz, shortwave 945 kHz [sic], modulation frequency 101.4 and 101.6 MHz", however the ensuing live announcement only referenced 101.4 MHz (elsewhere on the website 101.4 and 104.6 are given as Radio N'Gola Yetu's main frequencies).

There's an edited recording of the International Channel signing on in

various languages on the Angola page of Interval Signals Online -  
<<http://intervalsignals.net/>>  
(David Kernick, Interval Signals Online, Feb 21, dxldyg via WORLD OF  
RADIO 1814, DX LISTENING DIGEST)

Have tried to find their hidden audio streams, but without any luck.  
David, Can you please give a clue? 73, (Erik Koie in Copenhagen,  
dxldyg via DXLD)

Go to  
<http://www.rna.ao/radio-ngola-yetu/>  
then click on "clique aqui e escolha sua radio"  
After, you've to chose "Radio N'Gola Yetu" (Jean-Michel Aubier,  
France, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST)

Thanks for your help, Jean-Michel! Working just fine!! 73, (Erik Koie,  
ibid.)

If you use this link instead:  
<http://www.rna.ao/radio-n-gola-yetu/>  
then the player should run immediately.

I will add this to the World of Radio Station hitlist at  
<http://www.w4uvh.net/hitlist.htm>  
in the next update which I'm planning for the end of the month.

Many thanks to David Kernick of Interval Signals Online for the great  
find! (Alan Roe, UK, ibid.)

When I tried at 2120 UT Feb 24, I get ``error synching to stream`` at  
either link into the Winamp, with or without the extra (-) but own  
flash player worx with -yetu incuding French at 21  
<http://www.rna.ao/radio-ngola-yetu/>  
(Glenn Hauser, WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* ARGENTINA. 11710.681, RAE in French, S=7 fluttery signal, 0230-0330  
range. 73 wb (Wolfgang B,schel, Germany, Feb 23, dxldyg via DX  
LISTENING DIGEST)

\*\* AUSTRALIA. Re: Radio Symban: Site change --- Hi Glenn and Ian, I'm  
just catching up with reading Yahoo Groups this afternoon and just saw  
your comments re. R. Symban on strange frequencies, appearing in the  
recent ADXN.

The two entries in the trail re this station appear to be straight out  
wrong. I understand that the station has moved its transmitter back to  
its studios in Sydney (via Ian's recent comments). I see Mr Faulkner  
is based in Sydney, so he may be closer to the site than previously.

He also lists his receiver in the ADXN as a tiny Yaesu VX5R handheld 6, 2 and 70cm transceiver with general shortwave coverage.

I have one of these things (they're quite old now and long been superseded). It is TERRIBLE on SW! I suspect some funny mixing product/overload/dismal front end rejection in the radio is causing these strange frequencies to appear on his radio. The VX5R is fine as a VHF/UHF handheld, but the inclusion of SW at the time was more of a gimmick than a serious attempt to include a quality receiver in a handheld rig. Frankly, it should never be used as a shortwave receiver. Anything else would be better than a VX5R!! For what it's worth! Cheers, (Rob VK3BVW, Wagner, Feb 18, shortwavesites yg via WORLD OF RADIO 1814, DXLD)

Thanks for the info/comments Rob. I strongly suspected the logs were rubbish. I restrained myself from immediately saying so, given that I didn't know the listener, QTH or his receiver etc. Yes, a rubbish receiver (for SW) will/may produce rubbish (spurious signals). I too am 'guessing' the listener must be very close to the 151 MHz transmitter at studio? I've had extremely powerful FM BCB signals when in close proximity to transmitters break through on SW BCB with a SW portable receiver. I'm surprised the entries made it into the magazine. Cheers (Ian, NSW, ibid.)

\*\* AUSTRALIA. 9625, Feb 18, 2200-2206, Reach Beyond Australia, Kununurra, in Indonesian language. Music; YL/OM talks. Fair signal and very poor or barely audible modulation, 35332 to 35331 (DXer JosÉ Ronaldo Xavier (JRX), Cabedelo [PB], Brazil, Sony ICF-SW100S, Hard-Core-DX mailing list via DXLD)

15339.977, Reach Beyond Australia HCA from Kununurra, in Urdu schedule S=9+10dB at 1436 UT in Doha Qatar receiving post (Wolfgang B, schel, BC-DX, Log on Monday Feb 22 at 1400-1530 UT - mostly in SDR net remote unit in Doha Qatar, but also in Brisbane Queensland Australia, and in southern Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz], dxldyg via DX LISTENING DIGEST)

\*\* BAHAMAS [and non]. Just a DX heads up: WFLM White City/Ft Pierce officially moves from 104.7 to 104.5 on Monday; this per Juan (Iowacane).

Also: 104.5 Freeport, Bahamas, is no longer // AM 810; it is now "Power 104.5". Yes, that was the former name of the Nassau 104.5, which has been, and still is, // AM 1540. Both have stereo light on now, but I was unable to hear Freeport in stereo tonight, due to coverage of the Junior Junkanoo parade, of which they \*were\* // 810 for this special event.

Juan told me that he was hearing a 104.5 on the way to Miami, so I thought it was a good idea to spend an hour or two at my Bahamas "DX best bet," Valois Blvd (pronounced va-LOY) in Key Largo, to figure it all out. cd (Chris Dunne, Pembroke Pines FL, 9:42 pm Feb 20, WTFDA Forum vi DXLD)

I remember when another WFLM became WIXX-FM, WAXY, and finally, WBGG, "Big 105.9". (ai, Miami FL, Feb 21, ibid.)

...and 104.5 was occupied by WEAT-FM West Palm Beach. It moved to 104.3 in the 80s or so. I think WEAT came on in the late 60s or early 70s (Dunne, ibid.)

That clears up another mystery from the Bahamas. Thanks for the tip, Chris. PS: I could not hear 104.5 Freeport well enough to hear Stereo (Juan [Gualda?], Fort Pierce, Feb 21, ibid.)

Just hoping that some hot Tropo from Bahamas makes it here; it is a great spot to try. Trouble is, many Bahamas FM is co channel or adjacents. cd (Dunne, ibid.)

I can hear a weak signal from it in Fort Myers. (In the car, it helpfully faded out just as they were IDing themselves.) I'll have to try it on the yagi at home. So there goes my only "completely open" channel. WFLM doesn't pose any threat to DX though. I'm sure WOKV in Jacksonville will constantly be overriding it (Ryan Grabow, Fort Myers FL, ibid.)

\*\* BELARUS. Good signal of local Radio Grodno on February 24:  
from 1500 on 6080 MNS 100 kW / 127 deg to N/ME Belarussian  
from 1500 on 7255 MNS 125 kW / 072 deg to EaEu Belarussian  
<http://swldxbulgaria.blogspot.bg/2016/02/good-signal-of-local-radio-grodno-on.html>  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via WORLD OF RADIO 1814, DXLD)

\*\* BELGIUM [non]. Summer A-16 shortwave schedule of Alyx & Yeyi clandestine stations:  
<http://swldxbulgaria.blogspot.bg/2016/02/summer-16-shortwave-schedule-of-alyx.html>  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* BIAFRA [non]. 11600, OPPOSITION. Radio Biafra ñ Kostinbrod, BULGARIA (Presumed), 2222, 2/15/16, in English. Male announcer with few words of Nigerian accented English audible. Poor (Mark Taylor, Madison, Wisconsin, Perseus, SDRPlay, Eton e1, Grundig Satellit 800, Sangean 909X with clear mod, and various other portables; 40 meters dipole, 100i long wire, Flex antenna, NASWA Flashsheet via DXLD)

SECRETLAND, SPL Secretbrod relay BS TOM & Radio Biafra on Feb 19:  
1900-2000 11600 SCB 100 kW / 195 deg to WeAf Brother Stair-no signal

2000-2030 11600 SCB 100 kW / 195 deg to WeAf English, live broadcast  
2030-2035 11600 SCB 100 kW / 195 deg to WeAf open carrier / dead air  
2035-2040 11600 SCB 100 kW / 195 deg to WeAf English, live broadcast  
2040-2050 11600 SCB 100 kW / 195 deg to WeAf open carrier / dead air  
from 2050 11600 SCB 100 kW / 195 deg to WeAf BUT NOT LIVE broadcast!  
<http://swldxbulgaria.blogspot.bg/2016/02/spl-secretbrod-relay-bs-tom-radio.html>  
(Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

SECRETLAND(non), SPL Secretbrod relay Radio Biafra on February 20 from  
2000 on 11600 SCB 100 kW / 195 deg to WeAf English, NOT live:  
<http://swldxbulgaria.blogspot.bg/2016/02/spl-secretbrod-relay-radio-biafra-on.html>  
-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, dxldyg via DX LISTENING  
DIGEST) Do you mean there was a recorded broadcast for 3 hours, or  
what? (gh)

SECRETLAND(non), SPL Secretbrod relay Radio Biafra on February 20 from  
2000 on 11600 SCB 100 kW / 195 deg to WeAf English, NOT live, from  
2115 live  
<http://swldxbulgaria.blogspot.bg/2016/02/spl-secretbrod-relay-radio-biafra-on.html>  
(DX RE MIX NEWS #940 from Georgi Bancov and Ivo Ivanov, Feb 22, 2016,  
via DXLD)

CLANDESTINE, 11600, Feb 21, 2123-2140, Radio Biafra, Kostinbrod, in  
English. OM talks; says Biafra sometimes; 2130 Bips; OM talks and says  
hello! This transmission appears to be live or recorded, via phone?  
OM: conversation with a woman, by phone. Fair broadcast, 35433 (DXer  
JosÉ Ronaldo Xavier (JRX), Cabedelo - Brazil, Sony ICF-SW100S, Hard-  
Core-DX mailing list via DXLD)

CLANDESTINE, 11600, Feb 22, 2008-2018, Radio Biafra, Kostinbrod, in  
English. OM talks; OM/YL: short conversation; 2011 African musics.  
Fair broadcast, 35433 (DXer JosÉ Ronaldo Xavier (JRX), Cabedelo [PB]  
Brazil, Tecsun S-2000, Hard-Core-DX mailing list via DXLD)

SECRETLAND, SPL The Global specialist for International Communications  
on shortwave and provided to you strong and quality signal around the  
world. SPL Secretbrod relay clandestine broadcast Radio Biafra on  
Tuesday, Feb 23  
2000-2015 11600 SCB 100 kW / 195 deg WeAf open carrier & off at 2018  
2105&2130 11600 SCB 100 kW / 195 deg WeAf English, live transmission  
<http://swldxbulgaria.blogspot.bg/2016/02/spl-secretbrod-relay-clandestine.html>  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

CLANDESTINE, 11600, Wed, Feb 24, 2005-2010, Radio Biafra, Kostinbrod,  
in English. OM talks; many listeners conversation by phone. Very poor  
station, 25332 (DXer JosÉ Ronaldo Xavier (JRX), Cabedelo - Brazil,  
receiver Tecsun S-2000, Hard-Core-DX mailing list via DXLD)

SECRETLAND, Radio Biafra via SPL Secretbrod Feb 24:  
2000-2122 11600 SCB 100 kW / 195 deg to WeAf English, live broadcast  
from 2122 11600 SCB 100 kW / 195 deg to WeAf open carrier / dead air  
<http://swldxbulgaria.blogspot.bg/2016/02/radio-biafra-via-spl-secretbrod-on-feb24.html>  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* BOUGAINVILLE. QSL NBC Radio Bougainville 3325 kHz --- National Broadcasting Corporation - Radio Bougainville, transmitting from Kubu, in the autonomous region of Bougainville (Papua New Guinea), was logged on 5 February 2016 (locally 6 February 2016), from 05.30 till 06.00 Bougainville time (1930 till 2000 UT). [sic: wrong conversion. As I pointed out some time ago, Bougainville is on UT +11 unlike the rest of PNG, so 2000 UT would be 7 am local --- gh]

Sign-on reportedly is at 1900 UT. Reception quality on 3325 kHz was initially (SINPO) 35432 -- fair signal strength with intermittent fading every two to three seconds apart, yet clear and audible content was observed. By 05.50am [sic] (1950 UT) signal weakened to (SINPO) 25421; while speech was audible. at times content could not be clearly understood. From 06.00am [sic] (2000 UT) onward, signal was present but too weak to receive well.

The following day, Radio Bougainville was not heard. This leads me to believe the sporadic broadcast schedule has more to do with the testing of a new 10 kW transmitter than anything else. They also are reportedly testing on 6020 kHz as well as 3325 kHz. In South East Asia, 6020 kHz is either occupied by stations in China (CRI) or Vietnam (VoV 4 in Daclac), making reception virtually impossible; 3325 kHz is ideal, provided it is before RRI Palangkaraya in Kalimantan signs on at 2155 UT. For more news about the reactivation of NBC Radio Bougainville, see this LINK  
<http://www.autonomousbougainvillegov.info/index.php/news/read/nbc-radio-bougainville-switched-on-after-24-years>

By the way, NBC affiliate stations and frequencies are listed at their updated website, some with either new frequencies or pending revision -- it's hard to say.

Reception report was emailed and submitted online at the NBC website on 6 February 2016. A prompt reply from their online messaging service was received, stating my reception report and audio file would be forwarded to the Executive Director of Radio, Allen Arifeae. He in turn replied saying he would look into the matter once he returned to his office.

On 8 February 2016, Michael Samuga, ED Provincial Radio for NBC confirmed for Allen Arifeae that this was indeed a "test transmission"



of NBC Radio Bougainville. He also mentioned the transmitter/station would be commissioned near the end of the month (February 2016). I followed up by requesting and drafting an 'official' Letter of Verification.

Website:

<http://www.nbcpng.com/>

Email:

[info@nbc.com.pg](mailto:info@nbc.com.pg) (bounced)

See website for details:

<http://shortwavedxer.blogspot.com.br/2016/02/nbc-radio-bougainville.html>

M Breyel / facebook

(Timm Breyel, Malaysia, via Daniel Wylllys, Brasil, HCDX via DXLD)

I checked at 0745 via Brisbane receiver and both 6020 and 3325 kHz were without carrier, so seems still to be regularly irregular. 73, (Mauno Ritola, Finland, Feb 19, DX LISTENING DIGEST)

Checked at 0840 and 3325 was fair with NBC Sports News in English. NBC National news at 0900 (which was parallel to Madang 3260 with slightly inferior signal) and then at 0911:30 3325 went to Bougainville regional news in English. Nothing heard on 6020 (Bryan Clark, New Zealand, Feb 19, ibid.)

Yes, now at 1020 also via Brisbane (Mauno Ritola, Finland, ibid.)

[non-log]. NBC Bougainville not heard on either 3325 nor 6020 on Feb 19; checking 1234-1359 (Ron Howard, Asilomar State Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST) see INDONESIA

3325, NBC Bougainville, 0957-1045, Feb 21. Poor reception; Christian religious songs; 1001 news; about 1020 RRI Palangkaraya signal started to come up; by 1045 RRI much stronger; checked at 1129 and subsequently to find only RRI, so a very early sign off for Bougainville. NBC not on 6020 (Ron Howard, San Francisco at Ocean Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

3325 kc, 1130 UT: Good morning, Glenn, I actually hear a little audio this morning on 3325, though I can't copy enough content to nail down an ID; I suspect it's RRI Palangkaraya since Bougainville is still testing their transmitter. This is the first time this year I've heard more than just a carrier. Signal seems to be weakening as we draw closer to daybreak (Chris Krug, W5ZIB, Tulsa, OK, Rec: IC-R71, Ant: 40m loop, 1204 UT Feb 22, DX LISTENING DIGEST)

\*\* BOUGAINVILLE. 3325, NBC Bougainville, 1140-1205\*, Feb 22. In Tok Pisin/Pidgin and playing Pacific Island pop songs till 1201; PNG bird

call and into the news in English; suddenly off before the news ended; RRI Palangkaraya off the air today during many checks. Bougainville not on 6020 at 1205 nor subsequent checking.

It should be noted that my Jan 30 reception here, on their first day of testing the new transmitter, was without a doubt the strongest reception I have had so far.

3325, NBC Bougainville, 1202+, Feb 23. Assume them with very poor signal underneath much stronger RRI Palangkaraya; RRI OM with news, while NBC had YL with the news; unable to say just when NBC went off the air, but fairly certain was shortly after 1202. No NBC on 6020 (Ron Howard, San Francisco at Ocean Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST)

Bougainville on 3325 from the West Coast: Very likely the lone 90 meter signal at \*0750\* UT February 24 on 3325 Khz with atypical Island/PNG style indigenous pop music at fair to good levels with little noise. No sign of it on 49 meters at the time.

Receiver - Drake R8; Antennas - W/NW Flag + ALA100 Wellbrook 8 meter loop into Ratzlaff-Misek-Lankford Phaser, Victoria B.C Canada -- (Colin Newell - Editor and creator \*of \*Coffeecrew.com <<http://www.Coffeecrew.com>> and DXer.ca <<http://www.DXer.ca>> - VA7WWV | Twitter @CoffeeCrew | Victoria - Canada, Hard-Core-DX mailing list via DXLD)

\*\* BRAZIL. 4885, Feb 18, 0225-0240, R. Clube do Par., Belêm, in Portuguese. OM presents a local and regional football scores; Announcements; ID. Fair signal, poor modulation, 35432 (DXer JosÈ Ronaldo Xavier (JRX), Cabedelo [PB], Brazil, Sony ICF-SW100S, Hard-Core-DX mailing list via DXLD)

4885.02, R·dio Clube do Par., Belêm. FEB 19 \*0736 ñ transmitter cut-on with programming in progress, monologue by man, full canned ID at 0758, echo, bom dia greetings, cuckoo-clock. Excellent signal in LSB (Brandon Jordan, KM4PBQ, Fayette County TN, USA, Receiver: WinRadio Excalibur G33DDC, Antenna: Array Solution SAL-30 Shared Apex Loop IRCA DX Monitor Feb 27 via WORLD OF RADIO 1814, DXLD)

4885, R·dio Clube do Par., Belêm, 0703-0715, 20-02, Portuguese, comments. Weak signal today. 14321 (Manuel MÈndez, Lugo, Spain, Logs in Lugo, Grundig Satellit 500, Sony ICF SW 7600G, cable antenna, 8 meters, dxldyg via DX LISTENING DIGEST)

4885.03 on the NRD-545, Feb 21 at 0439, very pleased to hear S9+15 signal with tropical music, soon break at 0442 for very full ID as R·dio Clube do Par., not only 4885 onda tropical, but also MW

frequency, 690, ZYI532 --- and I think they also gave its wavelength in the 400s, which would be approx. 433 metros; and a few other MW frequencies with calls of sibling stations, members of Rede Brasil Amazônia de Comunicação. For info about that and much more see <http://radioclubedopara.com.br/historia.php>  
But I don't find a listing of affiliated stations. The carrier is a bit wobbly with BFO, and CODAR can be eliminated by tuning LSB only. Still at 0655 check, when I put it on 4885.020, S9+10 on the R75.

RCP has been on limited schedule lately, but used to be the main 24 hour ZY on 60m. Hope it will stay so again. No comparable signal, and maybe few if any on the air after local midnite; altho I did not search for JBA off-frequency carriers during the early session.

At 0700 there's a JBA carrier on 4824.93 with CODAR on both sides; exactly same as I heard Jan 21 at 0632, presumably Rádio Canário Nova, Cachoeira Paulista SP, at its offset; rather than the other ZY listed as inactive. That's 4:32/5 am local when many other non-NSP stations could be oncoming.

4885.03, Feb 22 at 0704 check, R. Clube do Pará is gone again! After big show last night.

4885.03, Feb 23 at 0214 check, R. Clube do Pará is still absent. I do find a few JBA carriers on typical ZY 60m frequencies: 4875.1, 4865.0, 4861.9, 5035.

4885.025, Feb 23 at 0656, R. Clube do Pará, Belém, is back on at S9 with music, 0658 very full ID. As in my last report, it was missing at 0214 check. Sometimes they stay on all night, more often not. Maybe this is just getting started around 5 am local DST (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* BRAZIL. 6135.209, Rádio Aparecida at S=7 level at 0512 UT Feb 20. Poppy singer group performed.

6040.362, RB2 noted with rather tiny S=5 at 0516 UT, but much stronger on \\ 9724.901 kHz, S=8 up to S=9 in 31 mb (Wolfgang Benschel, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

\*\* BRAZIL. Never mind the report I mentioned that RNA had reactivated 6180, but which I haven't heard. That was a mistake for 11780+ (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

11780, Feb 19, 2352-2400, R. Nacional da Amazônia, Brasília, in Portuguese. OM talks; Local time. Impossible make a full log. Note: China Nat. Radio, in Mandarin, on 11775, strong jammer, blocking all R. Nacional transmission at this time.

About 6180 kHz: very very time off air! Relevant 0000-0150 UT, Feb 20: Now, on 11780 (11775, no signal, no jammer, none), example of authentic collision behind R. Nacional and China R. Intl., Jinhua, in Mandarin! It's CRI invading the Dial! (DXer Jos  Ronaldo Xavier (JRX), Cabedelo [PB] Brazil, (UTC-3), Tecsun S-2000, Hard-Core-DX mailing list via DXLD)

Pointing out DST is not observed in Para ba, but all times reported should be in UT anyway. But where DST was observed, it ended on Feb 21. So mostly UT -3 now instead of UT -2. Some northern/western states are UT -4 (Glenn Hauser, OK, DX LISTENING DIGEST)

Radio Bandeirantes Volta a emitir em 9645 khz --- Capitei na tarde desta ter a feira a emiss o da R dio Bandeirantes SP em 9645. O Sinal   razo vel, igual era no passado. N o ouvir sinais nas outras frequ ncias antigas (Ed Santos, locutor de Itiru u BA, 6:06 pm Feb 23, radioecutas yg via WORLD OF RADIO 1814, DXLD)

Em outra ordem de coisas, o rep rter esportivo Leandro Quesada est  saindo da R dio Bandeirantes e indo para o canal de TV Fox Sports. (Valter Aguiar, Curitiba, Brasil, Feb 23, ibid.)

Sinais excelentes em 6090 e 9645 kHz. 73 (Jo o Ricardo Bergamini, PY4TW CW ENTHUSIAST, <http://radioentusiasta.blogspot.com/> ibid., WORLD OF RADIO 1814)

R. Bandeirantes 6090, 9645 kHz Recep o: 6090 // 9645 kHz (//840 kHz): Radio Bandeirantes SP, 24/02 0108z: 35543 (6090 kHz); 45554 (9645 kHz), Rx: Sony ICF-2001D, ant.: Loop blindada de ondas curtas DXCB. 73, (Rudolf Grimm, S o Bernardo SP, <http://dxways-br.blogspot.com> UT Feb 24, ibid. WORLD OF RADIO 1814)

R dio Bandeirantes reactivated on 9645.4 kHz. Heard this morning, 24FEB, around 0700 (Karel Honz k, Czechia, Hard-Core-DX mailing list via WORLD OF RADIO 1814, DXLD)

Not yet reported on third SW frequency 11925 (Glenn Hauser, ibid.)

Desde ayer R dio Bandeirantes reactiv  su frecuencia de 9645.34 kHz. Escuchada en Montevideo ayer, 23 de febrero, a las 1707 UT. Nada en 11925 kHz por el momento. Asimismo, Uender Marques en Brasil reporta tambien la reactivaci n de la frecuencia de 49 metros, 6090 kHz. 73! (Rodolfo Tizzi <rod@internet.com.uy> <http://elterritorylavirtud.blogspot.com/> <http://cx2abp.blogspot.com/> Feb 24, condiglista yg via DXLD)

9645.401 measured this Brazilian R·dio at 0900 UT on Febr 25 (Wolfgang B,schel, dxldyg via DXLD)

R;DIO BANDEIRANTES SP ONDAS CURTAS --- N,,o sabemos o motivo, mas a R;DIO BANDEIRANTES -SP- EM ONDAS CURTAS voltou ao ar nas QRG's antigas: 6090 kHz --- 9645 kHz --- 11925 kHz. Sintonizo-a bem nestas QRG's. Trata-se de uma boa notícia e vamos esperar que isso dure sempre. A Bandeirantes se notabilizou pelas ondas curtas, ficou famosa por meio das ondas curtas, e retirando-as do ar, ela estaria cuspidando no prato em que comeu. FORTE 73 AOS COLEGAS RADIOESCUTAS (LUIZ Chaine Neto, LIMEIRA -SP-, 24-2-2016, quarta-feira de manh,, ibid.)

Sez RB became famous on SW, and taking SW off the air would be like spitting in the plate they were dining from (gh)

Rudolf e amigos, No comeÁo do mÍs o transmissor de FM da Bandeirantes 840 kHz de S,,o Bernardo do Campo ficou fora do ar durante a madrugada; n,,o sei se foi alguma manutenÁ,,o programada: R·dio Bandeirantes 90.9 MHz/840 kHz (Fran Jr., S,,o Bernardo do Campo SP - RDS

Muito bom! S,,o essas ocasies que podem nos trazer surpresas. Legal! 73, (Rudolf Grimm, S,,o Bernardo SP, ibid.)

SÚ por curiosidade, alguÈm do grupo sabe o porquÍ davolta ao ar das ondas curtas da Bandeirantes? Por que retrocederam? Haviam desativado os TX's. A R·dio Bandeirantes de S,,o Paulo ficou famosa fora da capital graÁas às suas ondas curtas. Sua audiÍncia no interior bateu recordes. Na Copa de 1958 a Cadeia Verde Amarela obteve 100% de ouvintes nos jogos do Brasil, sob o comando de Edson Leite. As outras sofriam interrupÁies durante as transmissies dos jogos.

A Bandeirantes conseguiu as frequÍncias da r·dio SuÈcia em SSB (single side band) ou banda lateral e conseguiu superar todas. Forte 73 (Luiz Chaine Neto, Limeira sp, 24-2-2016, ibid.)

Says they used SSB frequencies of R. Sweden --- huhhh? (gh, DXLD)

Caros amigos, Como era de esperar, em Sorocaba/SP a recepÁ,,o da R·dio Bandeirantes em ondas curtas tem apresentado qualidade muito boa conforme vÍdeo que acabei de enviar para o meu canal no YouTube em <https://youtu.be/3jexyK5BhQA>

N,,o deixem de curtir o vÍdeo, compartilhar em suas redes sociais e assinar o canal. Equipamentos utilizados:

Receptor Elad FDM-S2

Antena Wellbrook ALA1530S+

Antena DX-One Pro MKII

Faseador DX Engineering NCC-1

73 (Ivan Dias Jr. - Sorocaba/SP, radioesocoutas yg via DXLD)

So far here it's been a JBA carrier on 9654.4, not as good as it was before the hiatus (gh, OK, DXLD)

[and non]. 9645, Wed, Feb 24, 1934-1939, CRI, Kashgar, in French. YL talks. Buzz transmitter ?, jamming ??. Very poor broadcast, 33332 (DXer JosÈ Ronaldo Xavier (JRX), Cabedelo - Brazil, receiver Tecsun S-2000, Hard-Core-DX mailing list via DXLD) Buzz may well be off-frequency R. Bandeirantes, 9645.4, just reactivated (gh)

\*\* BRAZIL. Heard in 0230-0330 UT time range:

11780.098, R·dio Nac Brasilia, S=9+10dB at 0230 UT on Feb 23

11764.644, SRDA, S=5-6

11854.933, R·dio Aparecida, S=4 poor and tiny at 0238 UT.

9819.309, R·dio 9 de Julho, and annoying 700 Hz whistle heterodyne, against UNID even frequency 9820, like BOT parking?

9724.910, ZYE725, RB2 Curitiba, fair S=6-7 signal at 0253 UT.

Nice Latin American childrens chorus performance.

9664.948, ZYE890, Voz Mission·ria FlorianÙpolis, S=5-6 fluttery at 0300 UT on Feb 23.

9629.941, ZYE954, R·dio Aparecida at 0303 UT Febr 23. Male singer. (Wolfgang B, schel, Germany, Feb 23, dxldyg via DX LISTENING DIGEST)

\*\* CANADA. 900, Feb 18 at 0637 UT, local ad for Hamilton, then ``AM 900, CHML`` ID at 0638 UT and back to `Coast to Coast AM` (and it seems, beyond border-to-border). CHML is dominating 900 rather than any XE, and 860 also bears French from CJBC (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* CHINA. XI TOURS CHINESE TOP STATE MEDIA, DEMANDS TOTAL LOYALTY  
[http://hosted.ap.org/dynamic/stories/A/AS\\_CHINA\\_XI\\_AND\\_PROPAGANDA?](http://hosted.ap.org/dynamic/stories/A/AS_CHINA_XI_AND_PROPAGANDA?SITE=AP&SECTION=HOME&TEMPLATE=DEFAULT&CTIME=2016-02-19-08-26-57)  
[SITE=AP&SECTION=HOME&TEMPLATE=DEFAULT&CTIME=2016-02-19-08-26-57](http://hosted.ap.org/dynamic/stories/A/AS_CHINA_XI_AND_PROPAGANDA?SITE=AP&SECTION=HOME&TEMPLATE=DEFAULT&CTIME=2016-02-19-08-26-57)

BEIJING (AP) -- Chinese President Xi Jinping made a rare, high-profile tour of the country's top three state-run media outlets Friday, telling editors and reporters they must pledge absolute loyalty to the party and closely follow its leadership in "thought, politics and action."

The remarks by Xi, also head of the ruling Communist Party, are the latest sign of the party's increasingly tighter control over all media and Xi's unceasing efforts to consolidate his powers.

Xi overshadowed the party's propaganda chief, Liu Yunshan, who accompanied him on his visits to the newsrooms of the party newspaper People's Daily, the official Xinhua News Agency and state broadcaster China Central Television.

At CCTV, Xi was welcomed by a placard pledging loyalty to the party. "The central television's family name is the party," the sign read, anticipating remarks made by Xi at a later meeting.

"The media run by the party and the government are the propaganda fronts and must have the party as their family name," Xi told the propaganda workers at the meeting during which he demanded absolute loyalty from state media.

"All the work by the party's media must reflect the party's will, safeguard the party's authority, and safeguard the party's unity," Xi said. "They must love the party, protect the party, and closely align themselves with the party leadership in thought, politics and action."

Willy Lam, an expert on elite Chinese politics at the Chinese University of Hong Kong, said Xi is raising standards for the state media by requiring that they obey the will of the party's core leadership, which is increasingly defined by Xi himself in another sign of how he has accrued more personal authority than either of his last two predecessors.

"This is a very heavy-handed ideological campaign to drive home the point of total loyalty to the party core," Lam said. "On one hand, Xi's influence and power are now unchallenged, but on the other hand, there is a palpable degree of insecurity."

Lam said Xi faces lurking challenges not only from within different party factions but also from among a disaffected public, grown unhappy with the slowing economy and a recent stock market meltdown.

Zhang Lifan, a Beijing-based independent historian and political observer, said the tour of state media added further to Xi's burgeoning personality cult. "I am afraid we will see more personal glorification in the media in the future," Zhang said. "I think Xi is declaring his sovereignty over the state media to say who's really in charge." (AP via Mike Cooper, DXLD)

What, he didn't bother with China Radio International? So must they be absolutely loyal to the ChiCom too, or not? (gh, DXLD)

\*\* CHINA. 3519-USB, VC01 Chinese Military numbers station, 1332 + 1403, Feb 19; recently heard daily here after moving down from ex: 5006-USB. As they broadcast continuously for so many hours daily, is this just a very long loop of numbers? (Ron Howard, Asilomar State Beach, CA, EtÜn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

7878-USB, VC01 Chinese military numbers station, 0947, Feb 21 with numbers in Chinese. Between 1125 & 1135 had switched frequency to 3519-USB. Thanks again to Hiroyuki Komatsubara for alert to these frequencies and the switch over.

7878-USB, VC01 Chinese military numbers station, 1212 through subsequent checking till final tune out at 1303 on Feb 22; so today they did not switch to 3519-USB as they did yesterday.

7878-USB, VC01 Chinese military numbers station at 1229 and still here at 1302, on Feb 23. So another day, like yesterday, that they did not switch to 3519-USB, as they often do around 1130; erratic schedule; fair reception. My audio at <https://goo.gl/KoCKJu>

Later Hiroyuki Komatsubara (Japan) did in fact hear VC01 at 1328 today on 3519-USB, so they were very late making the switch in frequencies. So yes, very erratic schedule for changing frequencies (Ron Howard, San Francisco at Ocean Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* CHINA [and non]. 9685, CHINA. CNR 1 jammer, 2300, 2/15/16, in Mandarin. Male announcer, fanfare, ID, musical introduction into male and female announcers alternating. Vs Radio Taiwan International // 9710 also vs. RTI (Mark Taylor, Madison, Wisconsin, Perseus, SDRPlay, Eton e1, Grundig Satellit 800, Sangean 909X with clear mod, and various other portables; 40 meters dipole, 100i long wire, Flexantenna, NASWA Flashsheet via DXLD)

7480, Feb 18, 0113-0118, CNR1, in Mandarin. Strong jammer, blocking all RFA transmission in Uyghur, probably. 45444 (DXer JosÉ Ronaldo Xavier (JRX), Cabedelo [PB], Brazil, Sony ICF-SW100S, Hard-Core-DX mailing list via DXLD)

4970, CNR1 jamming again heard Feb 19 at 1320; mixing with AIR Shillong; while intended victim of this jamming down on 4790 (BBC) seems free of any type of jamming and is only subject to CODAR QRM. (Ron Howard, Asilomar State Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

15425, 20.2 kHz wide broadband jamming of CNR against VoA Chinese service from Tinang PHL scheduled til 0057 UT. But after echo of two ident CR signals in 0057-0100 UT pause time slot, CRI Amoy service from 500 kW powerful beast Xi'an started on same channel at 0100 UT [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang B, schel, noted on remote network SDR station in eastern Thailand, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)



9860, Feb 22, 1920-1927, CNR1, in Mandarin. All jammer-firedrake txn blocking RFA at this time. Very good broadcast, 45544. Parallel log on 9455, jammer; 35433 (DXer Jos  Ronaldo Xavier (JRX), Cabedelo [PB] Brazil, Tecsun S-2000, Hard-Core-DX mailing list via DXLD)

\*\* CHINA. 4940, Voice of Strait with "Focus on China," 1500, Feb 20 (Saturday). Started with pop song; in English with item about Australia still celebrating Chinese Lunar New Year's with music that was combining traditional Chinese instruments with indigenous aboriginal musical instruments; IDs "You are now listening to Focus on China, Voice of Strait Broadcast Station" between items (Ron Howard, San Francisco at Ocean Beach, CA, Et n E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

\*\* CHINA. 4990, PBS Hunan, 1241, Feb 23. Above normal reception; traditional Chinese music.

[and non] It should be noted that AIR Itanagar continues to be silent here through today, as a result of the Sept 2015 fire that destroyed much of the station. (Ron Howard, San Francisco at Ocean Beach, CA, Et n E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

\*\* CHINA. 5050, Guangxi Beibu Bay Radio, 1500 on Feb 18 with time pips; "Beijing time is now 11 PM" and multi-language IDs; fair (Ron Howard, Asilomar State Beach, CA, Et n E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

\*\* CHINA [non]. I did listen on 7270 kHz (~1430z and ~1445z) hoping to catch and record the clandestine 'Voice of China' and again a bedlam of weak signals with a male announcer and perhaps some music modulating light above it all that wasn't on \\CNR1 on 7365, 6125, or 9530 kHz, but still not readable enough to record 73s (--Rodney Johnson, NV, Feb 19, dxldyg via DX LISTENING DIGEST)

\*\* COLOMBIA. 5910.06, Feb 21 at 0434, tropical music from Alcarav n Radio is good at S9+15, and nothing audible from NHK Russian via Lithuania (which got a couple minutes on 5985 via WRMI instead; see JAPAN [non]) (Glenn Hauser, OK, DX LISTENING DIGEST)

[and non]. 5910.056, Much stronger nice Latin American songs station Radio Alcarav n [sic] of S=8-9 clear audio in MA-US at 0507 UT, Spanish light Latin music songs, but compared to tiny S=5-6 signal on \\ 6010.101 kHz, latter which suffers by nearby Brazilian Inconfid ncia transmission on 6010.030 kHz on same S=5 signal level. 73 wb (Wolfgang B schel, Stuttgart, Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] BC-DX TopNews Feb 21 via DXLD)

\*\* COLOMBIA. 21280-USB, Feb 19 at 1507, HK3C, John, working US

stations. Not much else audible on 14m phone. Apparently he's a Canadian living north of Bogotá per QRZ.com, home call VE10Z. See <http://www.hk3c.ca/> (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* CONGO. 6115, Radio Congo, Brazzaville, 1752-1807, 18-02, French, comments, news about Congo. 13221 (Manuel Méndez, Lugo, Spain, Logs in Lugo, dxldyg via DX LISTENING DIGEST)

\*\* CUBA. 1620, Feb 19 at 0137, Spanish pop music. Must be Rebelde FM, since not // 1180 or 5025 which are in Bogotá. Well, their top players defecting to MLB still have their choice of Rebelde in América!

1620, Feb 24 at 0701:11.5, two-tone timesignal 71.5 seconds late, and R. Rebelde ID (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* CUBA. 5025, Radio Rebelde, never heard before such OVERMODULATED bad distortion audio level. S=9+35dB at 0526 UT Feb 21. Rhumba/Rumba music group in performance. S=9+30dB in NJ-US.

5040, Bauta [RHC] was on normal modulation level of S=9+5dB only. 73 wb (Wolfgang B. schel, Stuttgart, Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] BC-DX TopNews Feb 21 via DXLD)

\*\* CUBA. From: Radio Habana Cuba  
Subject: "Sito su Internet di Radio Avana Cuba"

Stimati amici, » un piacere invitarvi a visitare il nuovo sito internet in italiano di Radio Avana Cuba, che vi dà la possibilità di essere sempre informati su tutto quanto accade a Cuba e nel resto del mondo. Vi preghiamo di farci sapere cosa ne pensate sia dei contenuti sia della grafica. Dovete premere la bandiera italiana che si trova in alto a destra della pagina <http://www.radiohc.cu>

Ringraziandovi per la vostra gentilezza, vi salutiamo con amicizia. Rosario Lafita Fernández, J'Dpto. de Corrispondenza Internazionale, Radio Avana Cuba (via Dario Monferini, Italy, Feb 19, playdx yg via WORLD OF RADIO 1814, DXLD)

Yes, I had noticed the Italian flag on their website: so Italian language content there, any audio? Never any on SW, but maybe offing; Papal influence? (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* CUBA. 6165, Feb 19 at 0702, RHC English has switched to unscheduled Spanish and stayed on the air past 0703; other frequencies: 6000 is off; 6060 & stronger 6100 are dead air; 5040 strong with dead air plus a trace of modulation, Spanish too?

[and non]. 9580, Feb 19 at 0123, CRI English relay is OFF, no signal, but formerly redundant neighbor 9570 via ALBANIA remains at S7. Other Cuban transmitters are propagating on 31m: 9490 and 9565 jamming, 9535 RHC Spanish.

6100, Sunday Feb 21 at 0704, RHC Esperanto correctly airing at S9+20, with all the other 49/60m frequencies now off. Wonder if it'll show again this week at unscheduled 2130 on 11880? Need also to reconfirm if it's still at 2230 Sundays on 17730.

11880, Sunday Feb 21 at 2132, RHC with smooth transition from French to opening Esperanto, theme song and sign-on. La elsendoj estas: Sun 1600 on 11760; Sun 2230 on 17730; 0700 on 6000. I think they said 6000 instead of correct 6100 as just reconfirmed, and the 0700 should be mentioned first as it is the first, not last broadcast, on UT Sunday, not UT Monday. But the Esperantists in the studio are also clueless that they have another outsending, as I first noted last Sunday, 2130 on 11880 instead of Portuguese. This week I also check 17730 at 2230 and reconfirm it still exists too (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

Subject: Curiosities --- 10040/AM, Radio Habana Cuba; 1851, 22-Feb; Weak audio, in/out; 2W in Spanish, // 11760 RHC. 11760 is the only SS listed at this time; math for this eludes me (Haroldl Frodge, Midland MI, DX LISTENING DIGEST)

Harold, I thought it might be a leapfrog mixing product with a spy numbers transmitter at same site, which would be 10900 or 13480, but I don't find any such listed. Check those anyway at that time to see if there's a match (Glenn to Harold via DXLD)

6165, UT Wed Feb 24 at 0644, RHC DXers Unlimited is just barely modulated here; // 5040 and 6100 OK, weakest 6060 middling, 6000 somewhat supertorted.

11840, Feb 24 at 1414, strong open carrier/dead air from RHC, which manages to modulate on 11760 (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* EAST TURKISTAN [and non]. 9590, Feb 19 at 0124, pop music at S7, from CRI Spanish via Kashgar (Glenn Hauser, OK, DX LISTENING DIGEST)

Xinjiang CNR PBS Chinese noted on 11769.973 kHz, but also whine distortion on nearby 11770.156, 11770.204 and 11770.716 kHz, latter could be another V of Nigeria outlet? (Wolfgang B\_schel, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD) Time? circa 0510? by neighboring logs (gh)

3949.964, CHINA, CNR PBS Xinjiang in Chinese from Urumqi, at 1453 UT, and from same location

3990.000, CNR PBS Xinjiang in Uighur lang from Urumqi, at 1455 UT.

5059.983, CNR PBS Xinjiang Chinese service, from Urumqi site, S=6 poor signal into Brisbane Queensland Australia at 1515 UT.

4979.987, CNR PBS Xinjiang Uighur service, from Urumqi site, S=6 poor signal into Brisbane Queensland Australia at 1517 UT.

(Wolfgang B, schel, BC-DX, Log on Monday Feb 22 at 1400-1530 UT - mostly in SDR net remote unit in Doha Qatar, but also in Brisbane Queensland Australia, and in southern Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz], dxldyg via DX LISTENING DIGEST)

Note most of these are off-frequency to the lo side, so that correlates with my unID carriers on 5959.95 or so (Glenn Hauser, DX LISTENING DIGEST)

\*\* ECUADOR. Infos von der Andenstimme

Auszug aus dem neuen Infobrief der Andenstimme aus Ecuador:

Mitte Januar bis Anfang Februar hielt ich mich fuer eine Fortbildung in Deutschland auf. Ich nutzte die Zeit fuer einen Abstecher in die Schweiz, um die Firma Ampegon in Turgi zu besuchen. Ampegon ist ein Unternehmen, das u.a. Kurzwellensender herstellt. Schon als wir im Jahre 2009 den Kurzwellensender von HCJB "geerbt" hatten, um die Sendung auf der Regionalfrequenz (Ecuador, Kolumbien und Peru) 6050 kHz fortzufuehren, wurden wir darauf hingewiesen, dass dieser gegen einen neuen ersetzt werden muss. Nun ist ein Kurzwellensender kein "Massenprodukt" und es sind nur noch Wenige, die solche Sender herstellen. Jetzt wird es spannend! Zum einen: Wie werden unsere Ingenieure vor Ort das Produkt beurteilen und zum anderen: Wie koennen wir die sehr hohen Anschaffungskosten durch Spenden hereinbekommen.

An dieser Stelle moechten wir uns bei Dietmar Steinigen aus Berlin bedanken, der den Druck unserer neuen QSL-Karten (Empfangsbestaetigung) in Auftrag gegeben und bezahlt hat! Nachahmer fuer das naechste Jahr sind herzlich willkommen!

Im Namen der Andenstimme gruesse ich Sie herzlich und wuensche Ihnen Gottes Segen, Ihr Horst Rosiak

[google attempt to translate: can't figure out umlauted words which have an -e inserted instead! And syntax is a killer]

Extract from the new newsletter of the Andean voice from Ecuador:

Mid-January to early February I kept for a training in Germany on. I used the time for a trip to Switzerland, the company Ampegon in Turgi to visit. Ampegon is a company, the i.a. produces short-wave transmitters. Even as we in 2009 the Shortwave transmitter from HCJB "inherited" had to the broadcast on the Regional frequency (Colombia, Ecuador and Peru) fortzufuehren 6050 kHz, We were advised that this be replaced with a new one must become. Now a shortwave transmitter is not a "mass product" and there are only a few, making these channels. Now it's getting exciting! To the a: How are our engineers evaluate the product locally and to other: How can we, the very high cost through donations recouped.

At this point we would like us to Dietmar stoning from Berlin thank, of the pressure of our new QSL cards (receiving an acknowledgment) in gave order and get paid! Imitators for the next year are welcome!

On behalf of the Andean voice I gruesse you warmly and you wuensche Blessings, Your Horst Rosiak

<<http://andenstimme.org>>

(via Christoph Ratzer-AUT OE2CRM, <<http://ratzer.at>> A-DX ng Feb 20 via BCDX 21 Feb via WORLD OF RADIO 1814, DXLD)

6050 very weak here; souonds like less than WRTH-listed 8 kW (Glenn Hauser, WORLD OF RADIO 1814, DX LISTEING DIGEST)

\*\* ECUADOR [non]. 7365.033, D, German service of HCJB Weenermoor Germany origin broadcast, S=7-8 signal, which suffers severe SPLATTER of low side TOM BS on RMI Okeechobee Florida signal on 7355 kHz, latter which is proper S=9+35dB via morning/nightly propagation path, via water on Atlantic Ocean. 73 wb (Wolfgang B,schel, Stuttgart, Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz], BC-DX TopNews Feb 21 via DXLD)

NO, 7355 with BS is never WRMI, but WHRI! (gh, DXLD)

\*\* EGYPT [and non]. 9745.045, accurate signal - and underneath Radio Bahrain sideband outlet too - Another distortion audio signal of Radio Cairo in Arabic, heard at same time in 31 mb, around 0540 UT on Feb 20, S=9+10dB strength. Observed in southern Germany, during morning 'fadeout' time of East African, ME and NE stations. [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang B,schel, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

15300.035, Radio Cairo in Persian/Dari language section, little distorted scratchy audio, but still 'understandable'. S=9 signal level, at 1433 UT on Feb 22. Scheduled acc Aoki Nagoya list 1330-1530 UT via Abu Zabaal site.

15535.003, Radio Cairo, Arabic, S=9+15dB, little distorted scratched audio, backlobe signal, scheduled 1300-1600 UT to WeAF, Sahel (Wolfgang B,schel, BC-DX, Log on Monday Feb 22 at 1400-1530 UT - mostly in SDR net remote unit in Doha Qatar, but also in Brisbane Queensland Australia, and in southern Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz], dxldyg via DX LISTENING DIGEST)

9965.043, at 0248 UT, but wandered UP steadily to 9965.230 at 0310 UT Radio Cairo Arabic service, heavy carrier, but very LOW modulation level.

9745.050, Radio Cairo, Arabic, little 'distorted audio' singer heard. Broadband 26 kHz wide signal. S=9+20dB, and main power peaks visible accompanied, 50 / 150 / 200 / 400 / 600 / 800 Hertz distance apart. 73 wb (Wolfgang B,schel, Germany, Feb 23, dxldyg via DX LISTENING DIGEST)

\*\* EGYPT. The R Cairo N. American service transmission (for 2300-0030) is now being archived via the facilities of Radio360. However these are not found via the normal Radio360 archive pages at

<http://www.radio360.eu/>

but instead are at

<http://www.cairo.radio360.eu/>

The archive goes back currently to 12 Feb 2016. These are in addition to the archives of the same 2300 UT broadcast at

<http://livestream.com/accounts/13376843>

which is less convenient as a login is required.

I'll add the link to the World of Radio Station Hitlist (at

<http://www.w4uvh.net/hitlist.htm>

with the next update due this weekend (Alan Roe, Teddington, UK, Feb 23, dxldyg via DX LISTENING DIGEST)

I guess Radio Cairo might actually be listenable now? (Paul Walker, AK, ibid.)

Further to my original email, most R Cairo English broadcasts are also available as a livestream at

<http://www.egradio.eg/>

There is a button marked English, but often as not you will find the English stream at one of the other buttons (in particular Channel 11 - the button immediately above English). It's not shortwave, but at least it's an opportunity to hear them (Alan Roe, Teddington, UK, ibid.)

\*\* EQUATORIAL GUINEA. 5005, Radio Nacional, Bata (presumed), 0537-0550, 17-02, noted comments, probably in Spanish, but very weak signal to identify the language. Best on LSB. 14321 (Manuel MÈndez, Lugo,

Spain, Logs in Lugo, dxldyg via DX LISTENING DIGEST)

\*\* ETHIOPIA. 7234.602, Tentatively fade-out from NE Africa, heard Radio Ethiopia around 0710 UT. Typical 10 to 20 Hertz unstable frequency hopping. 15 Hz wandered on poor S=5-6 signal strength at 0715 UT. 73 wb (Wolfgang B,schel, Stuttgart, Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] BC-DX TopNews Feb 21 via DXLD)

\*\* ETHIOPIA [non]. SECRETLAND, Good signal of UNIDentified station via Secretbrod, Feb 18, 1802-1901 on 9480 SCB 050 kW / 195 deg to EaAf Oromo Wed-Sun, plus jamming?  
<http://swldxbulgaria.blogspot.bg/2016/02/good-signal-of-unidentified-station-via.html>  
(Ivo Ivanov, B`lgariya, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST)

La emisora no identificada que emite en 9480 en oromo es Tamsaasa Raadiyoo OMN. Reproduzco twit anunciando emisi n para el 4 de febrero; lo publica Jawar Mohmmmed:

tamsaasa Raadiyoo OMN Gurrandhal 4, 2016  
Warri biyya meetir baandi 31 hiilo heeriz 9480 irratti argachuu dandeessan.  
<http://fb.me/76UrAhST4>  
Posted by: (JOSE MIGUEL ROMERO ROMERO, Feb 22, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST)

That forwards to a Soundcloud audio, labeled 9465 instead (gh, WORLD OF RADIO 1814, DXLD)

Maybe ties to:

IRRS Milano is always look out for presents by broadcast centers, but has always a VEILED presence in the hobby domestic radio scene.

In the past have got cheap broadcast time presents from Hungarian Radio HNG, former Bulgarian Radio, then relays from Rimavska Sobota Slovakia site, lately at RadioCom-ROU installation at Romanian S=Saftica 1 x 100 kW revolving horizontal log-periodics used, now left Saftica, and is back to Sofia Kostinbrod Bulgaria installation.

9480 kHz 1800-1900 UT to zones 37-40, 46-48, 52-53 MIL=Milano is veiled location and fictitious notional, 150 kW 137 degree antenna288 ITU call, Oromo language service. wb (Wolfgang B,schel, ibid.)

Ethiopia: Tamsaasa Raadiyoo OMN  15170 kHz?  
<https://www.oromiamedia.org/#>  
<https://www.facebook.com/OromiaMedia/>

## About Us

The Oromia Media Network (OMN) is an independent, nonpartisan and nonprofit news enterprise whose mission is to produce original and citizen-driven reporting on Oromia, the largest and most populous state in Ethiopia. OMN seeks to offer thought-provoking, contextual, and nuanced coverage of critical public interest issues thereby bringing much needed attention to under-reported stories in the region. Our goal is to create a strong and sustainable multilingual newsroom that will serve as a reliable source of information about the Oromo people, the Ethiopian state, and the greater Horn of Africa region.

We hold ourselves to the highest journalistic standards but unabashedly and proudly offer a uniquely Oromo perspective. We also aim to connect the growing Oromo diaspora to its homeland using innovative digital tools and people-centered storytelling techniques. Our high quality, high-impact multimedia content will be available in easily accessible formats including on the web, mobile devices, social media, satellite television and radio.

## WHY OMN?

The Ethiopian government or individuals close to the ruling party, own and control nearly all newspapers, radios and TV stations in the country. The government of Ethiopia continues to suppress freedom of expression and speech. It has shut down all independent newspapers in Oromo language and those tending to address unique concerns of the Oromo people. As a result, despite being the official language of the Oromia region, not a single independent newspaper is published in Afaan Oromo. Neither are there independently run radio or television stations broadcasting in one of Africa's most widely spoken languages with over 40 million native speakers.

Ethiopia also criminalizes critical debates and all other forms of dissent. Private newspapers inside the country face immense pressures to self-censor. The diaspora-based blogs have sought to close the gap by offering critical commentary as well as advocacy for press freedom in that country. However, the blogosphere has its own flaws in objectively reporting the events on the ground. Ultimately, when it comes to media, the Oromo and other people in Ethiopia face two stark choices: state-controlled media that produces propaganda as the ruling party's mouthpiece or the anti-government opposition media disseminating partisan polemics.

Thus, fresh, independent, and forward-looking media outlets must kick start the conversations needed to ensure that there is room for robust



and substantive discussion on general matters of public interest.

Hence, OMN aspires to transcend the preoccupation with political news and cover everyday human stories in their multidimensional diversity ñ including business, education, politics, travel, science, technology, environment, sports, and arts and culture.

Through factual, evenhanded and quality reporting, OMN is committed to closing this gap by promoting civic discourse and fostering community engagement around social justice issues, press freedom, human rights, democracy, community health, family and children welfare.

#### HOW IT IS FUNDED

We believe high-quality journalism is a rare public good, a basic human right, and the pillar of free and democratic society. We hope to fund OMN through voluntary donations, targeted advertising, and external grants. We invite all who believe in the importance of public service media to support and sustain our work.

#### GOVERNANCE

OMN is a U.S. based nonprofit 501(c)(3) organization, licensed under the Federal Communications Commission. OMN is governed by a Board of Trustees, an Executive Council, and an independent editorial team made up of professional journalists.

For more information please contact us at [info@oromiamedia.org](mailto:info@oromiamedia.org) or by phone at 612-888-OROMIA (6766).

The Oromia Media Network (OMN) has played a key role in disseminating information throughout Oromia during the protests. OMN is a diaspora-based television station that relays content, primarily in the Afan Oromo language, via satellite, and recently started broadcasting on shortwave radio. The Ethiopian government has reportedly jammed OMN 15 times since it began operations in 2014, in contravention of international regulations.

Two business owners told Human Rights Watch they were arrested for showing OMN in their places of business. Federal police destroyed satellites dishes that were receiving OMN in many locations. Students said they were accused of providing videos for social media and of communicating information to the OMN. Arrests and fear of arrest has resulted in less information on abuses coming out of Oromia over the last month (via JMRR, condiglista yg via WORLD OF RADIO 1814, DXLD)

Where is it? Area code 612 is Minneapolis MN (gh, WORLD OF RADIO 1814, DXLD)

UNIDentified station via Secrethbrod is Radio Oemeni-ti  
1802-1902 9480 SCB 050 kW / 195 deg to EaAf Oromo Wed-Sun, 5 videos:  
<http://swldxbulgaria.blogspot.bg/2016/02/unidentified-station-via-secrethbrod-is.html>  
(Ivo Ivanov, circa Feb 19, dxldyg via DX LISTENING DIGEST)

No signal of SPL Secrethbrod Radio Oemeni-ti on Feb 20  
1802-1902 9480 SCB 050 kW / 195 deg to EaAf Oromo scheduled Wed-Sun  
(Ivo Ivanov, dxldyg via WORLD OF RADIO 1814, DXLD)

SECRETLAND, Frequency change of SPL Radio Oemeni-ti from Feb 20: 1802-1901 NF 15170 SCB 050 kW / 195 deg to EaAf Oromo Wed-Sun, ex 9480  
Videos will be uploaded on February 24, after the end of transmission!  
<http://swldxbulgaria.blogspot.bg/2016/02/frequency-change-of-spl-radio-oemeni-ti.html>  
-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

BUT again SPL The Global specialist for International Communications on shortwave & provided to you strong and quality signal around the world:  
1900-1903 7290 SCB 050 kW / 306 deg to WeEu relay Radio Oemeni-ti!!  
1903-2000 7290 SCB 050 kW / 306 deg to WeEu relay music/music/music  
<http://swldxbulgaria.blogspot.bg/2016/02/spl-secrethbrod-relay-few-minutes-radio.html>  
73! (Ivo Ivanov, QTH: Sofia, Bulgaria, dxldyg via DX LISTENING DIGEST)

SECRETLAND, SPL The Global specialist for International Communications on shortwave and provided to you strong and quality signal around the world. Very, very poor signal of Radio Oemeni-ti/Tamsaasa Raadiyoo via SPL, Feb 24, NEW frequency:  
1800-1807 15170 SCB 050 kW / 195 deg EaAf nothing, no signal till 1807  
1807-1900 15170 SCB 050 kW / 195 deg EaAf Oromo Wed-Sun, ex 9480-videos  
<http://swldxbulgaria.blogspot.bg/2016/02/very-very-poor-signal-of-radio-oemeni.html>  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* ETHIOPIA [non]. SECRETLAND, SPL, Radio Warra Wangeelaa-ti was back on shortwave  
1500-1530 on 15515 SCB 050 kW / 195 deg to EaAf Oromo Sat on Feb 20:  
SPL The Global specialist for International Communications on shortwave and provided to you strong and quality signal around the world. Mixture between Radio Warra Wangeelaa-ti of 15515 & Denge Kurdistan on 9400 kHz  
1500-1530 9400 SCB 100 kW / 090 deg WeAs Denge Kurdistan + R. Warra Wangeelaa  
1500-1530 15515 SCB 050 kW / 195 deg EaAf Sat only R. Warra Wangeelaa-

ti

<http://swldxbulgaria.blogspot.bg/2016/02/spl-radio-warra-wangeelaa-ti-was-back.html>

73! (Ivo Ivanov, QTH: Sofia, Bulgaria, dxldyg via DX LISTENING DIGEST)

\*\* ETHIOPIA [non]. FRANCE, Reception of Oromo Voice Radio via TDF on Feb 22

1600-1615 on 17850 ISS 250 kW / 130 deg to EaAf Oromo Mon and again

1615-1630 on 17850 ISS 250 kW / 130 deg to EaAf Oromo, not English Mon

<http://swldxbulgaria.blogspot.bg/2016/02/reception-of-oromo-voice-radio-via-tdf.html>

-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* ETHIOPIA [and non]. GERMANY, Strong signal of Voice of Oromo Liberation via MBR on Feb 24

1703-1733 11810 NAU 100 kW / 145 deg EaAf Oromo Wed, on 17630 in A-16

1733-1800 11810 NAU 100 kW / 145 deg EaAf Amharic Wed > 17630 in A-16

Transmissions are jammed by Ethiopia with white noise digital jamming

<http://swldxbulgaria.blogspot.bg/2016/02/strong-signal-of-voice-of-oromo.html>

(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* ETHIOPIA [and non]. FRANCE, Radio Xoriyo Ogaden via TDF on Feb 19,

open carrier / dead air: 1600-1630 on 17870 ISS 500 kW / 130 deg to

EaAf Somali Mon/Fri, only jamming

<http://swldxbulgaria.blogspot.bg/2016/02/radio-xoriyo-ogaden-via-tdf-on-feb19.html>

(Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* ETHIOPIA [non]. FRANCE, Radio Xoriyo Ogaden via TDF on [Fri] Feb

19, open carrier / dead air, 1600-1630 on 17870 ISS 500 kW / 130 deg

to EaAf Somali Mon/Fri, only jamming

<http://swldxbulgaria.blogspot.bg/2016/02/radio-xoriyo-ogaden-via-tdf-on-feb19.html>

(DX RE MIX NEWS #940 from Georgi Bancov and Ivo Ivanov, Feb 22, 2016, via DXLD)

\*\* FRANCE. Upcoming frequency changes of Radio France International:

0500-0600 on 7390 ISS 500 kW / 160 deg to CeAf French till Feb 27

0500-0600 on 11700 ISS 500 kW / 160 deg to CeAf French from Feb 28

0600-0630 on 7295 ISS 500 kW / 170 deg to WCAf Hausa till Feb 27

0600-0630 on 11995 ISS 500 kW / 170 deg to WCAf Hausa from Feb 28

0600-0700 on 5925 ISS 500 kW / 204 deg to NWAf French till Feb 27

0600-0700 on 9790 ISS 500 kW / 204 deg to NWAf French from Feb 28

0600-0700 on 7390 ISS 500 kW / 185 deg to NWAf French till Feb 27

0600-0700 on 11700 ISS 500 kW / 185 deg to NWAf French from Feb 28

1700-1800 on 17620 ISS 500 kW / 162 deg to NWAf French till Feb 27

1700-1800 on 21690 ISS 500 kW / 162 deg to NWAf French from Feb 28

<http://swldxbulgaria.blogspot.com/2016/02/upcoming-frequency-changes-of-radio.html>  
-- 73! (Ivo Ivanov, B'lgariya, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* GERMANY. Surprisingly reception of Radio Channel 292, Sat, Feb 20: 0755 & 0930 on 6070 ROB 010 kW / non-dir to CeEu English and continues Regular programs with high power will start during February or March!  
<http://swldxbulgaria.blogspot.bg/2016/02/surprisingly-reception-of-radio-channel.html>  
73! (Ivo Ivanov, QTH: Sofia, Bulgaria, dxldyg via DX LISTENING DIGEST)

How high? (gh, DXLD)

Hi All, German relay service Channel 292 now appear to be back up at full power again, and their website is now showing the following banner, with an offer 'free' airtime in March, so get booking you budding broadcasters!

Cambridge community station 'Pirate 105' are again shown as doing a 14 hour broadcast on Friday 25th of March 2016 (Alan Gale, UK, dxldyg via DX LISTENING DIGEST)

jpg attachment says in German and also via English: ``Free air time offer in March! Ask for details: [info@channel292.de](mailto:info@channel292.de)`` (gh, DXLD)

Hi All, Just seen this post on their Facebook page:

Radio Northern Ireland is returning to the air TOMORROW MORNING (Sun Feb 21) at 1100 UT via C292 in Europe on freq 6070 kHz! Tune in via your shortwave radio or via the websdr in Holland. Remember if you want a QSL card by snail mail please send me an email or private message they will cost £1 for postage (I make no profit from the donation just to cover postage) or an eQSL. Thank you and hope to see you on the airwaves! 73 for now, (via Alan Gale, UK, Feb 20, dxldyg via DXLD)

[http://www.rhci-online.net/files/2016-02-21\\_6070\\_kHz\\_Radio\\_Northern\\_Ireland.gif](http://www.rhci-online.net/files/2016-02-21_6070_kHz_Radio_Northern_Ireland.gif)

55444 - 45333 here in Southern-Saxony-Anhalt/Germany (roger, Germany, ibid.)

Hi All, Radio Northern Ireland, which was on 6070 this morning (and repeated again this afternoon), will also be on 6070 kHz again at 2015 UT according to this post on their Facebook page. 73 for now, (Alan Gale, ibid.)

Radio Northern Ireland --- Tonight at 2015 UT we will be broadcasting again on 6070 via C292 in Germany with a different genre of music. If

you want a QSL card by post you can send a £1 donation (this is to cover the cost of the postage, I don't make any profit) or if you wish to have an eQSL for free. If you don't have a shortwave radio or you're not in Europe you can tune in via the WebSDR in Holland with this pretuned link, just select AM.

Reception reports are welcome to [radionorthernireland@outlook.com](mailto:radionorthernireland@outlook.com)

<http://websdr.ewi.utwente.nl:8901/?tune=6070>

Posted by: (via Alan Gale, UK, dxldyg via DXLD)

Datamode test on Channel 292 Tuesday [Feb 23]

Hi All, I just noticed on the Channel 292 schedule, that they now have three 18 minutes MFSK32 tests listed as taking place on Tuesday 23rd of February, on 6070.0 kHz at the following times:

1700 - 1800 UT

2000 - 2100 UT

2100 - 2200 UT

<http://www.channel292.de/schedule-for-bookings/>

Each test runs for 18 minutes, and I assume will be at 1700-1718 etc., but this is not stated exactly. No mention of who is behind this, so possibly Channel 292 themselves. I assume it will be the same test repeated 3 times.

Anyone wanting to give this mode a try for the first time can download a copy of Fldigi for free from the site below:

<https://sourceforge.net/projects/fldigi/files/fldigi/>

More info from their Facebook account - I tried to post the text but will only copy link on my phone

<https://www.facebook.com/digidx/posts/516118285237573>

Sent from my iPhone Posted by: David Smith

(via Alan Gale, Feb 22, BDXC-UK yg via DXLD)

Thanks to David Smith via the BDXC-UK Group for spotting this on their Facebook page (why didn't I think to check that?) :-D

DigiDx Report

First broadcast of DigiDX is Tuesday 23rd February at 1700 and repeated at 2000 and 2100, all on 6070 in the MFSK32 mode.

The first show includes shortwave and DX news from the last week, future shows will include reviews, features, schedule information and listener feedback.

Please send reception reports to [reports@digidx.uk](mailto:reports@digidx.uk) In our next show we will send a special QSL card over the air featuring the names of the people who have sent reception reports.

Posted by: (Alan Gale, Feb 22, dxldyg via DXLD)

The person behind DigiDX is based in Ireland. 73 (Harald Kuhl, BDXC-UK yg via WORLD OF RADIO 1814, DXLD)

I just wanted to mention that the original announcement had mentioned using Fldigi as the decoding solution. There are other digital decoding packages that can also do it, such as the popular MultiPSK, and the expensive decoding solutions from the likes of Hoka, WaveCom, Krypto500, and others. You can find links to all of these on the Utility Monitoring Central software page, the link for which is below...

Utility Monitoring Central

Welcome to the UMC Software page. On this page, we have links to: Integrated Radio/Decoder Software - There are a few programs that combine radio ...

<http://www.chace-ortiz.org/umc/software.html>

So if the software you're using supports MFSK32, there's really no need to use another package :.>>

These broadcasts might be a tad early for the East Coast of North America - hopefully something a bit later can be arranged in the future (Mike Agner, KA3JJZ, dxldyg via DX LISTENING DIGEST)

Fairly good reception via the Twente receiver of the 1700 UT broadcast, despite a bit of co-channel QRM from CRI in Russian and I had almost perfect decoding of text using the recorded audio file and Fldigi. In real time, the vagaries of Internet packet delivery occasionally screws up decoding. The large image of the station schedule sent was not really legible. The transmitted resolution was a bit too low in my opinion (Richard Langley, NB, 1855 UT Feb 23, dxldyg via DX LISTENING DIGEST)

Hi Richard, They have just posted on their Facebook page that the tests will be repeated continuously for the next two hours. It came on at 1800, 1820 and 1840, and has just started again at 1900 UT. The channel is much clearer now that CRI has gone off (Alan Gale, 1905 UT, ibid.)

Thanks, Alan, but too busy with work to listen again. Attached is my best attempt at decoding the image (the current Channel 292 broadcast

schedule). As you can see, it's not that great (Richard Langley, ibid.)

Hi Richard, None of mine were that great either, this one at 2029 was about the best, but the fading badly affected quite a few of the others. I was impressed with how well the MFSK coped with the big signals from CRI and the Vatican though, and they were still audible here until after 2100 UT.

I've just noticed that they're listed again for this coming Sunday 1100-1200 UT right after DARC Radio, so the channel may be a bit quieter for that.

They were also on their Facebook page for future items to be sent in for upcoming programmes; the address for these is: <info@digidx.uk> (Alan Gale, ibid.)

Info Update 2016-02-24 --- Hello Glenn, I received a heads-up from Alan Gale in the UK, there will be regular "DIGIDX" broadcasts from Channel292 on 6070 kHz from Rohrbach (Bavaria) every Tuesday night from 2100z.

During yesterday's test broadcast, I got a bit of reception initially at 1800z on 6070, despite heavy CRI QRM in Russian, before the signal skipped over and lost synch. Here's how the broadcast started at their odd audio center frequency of 1455 Hz in MFSK32 mode:

oo

Before RSID: <<2016-02-23T18:01Z MFSK-32 @ 6070+1455>>

Intro: The following broadcast of DigiDX is in the MFSK32 mode. To decode use FLDigi, MultiPSK or on Android the Tivar app.

Welcome

Hello and welcome to the first episode of DigiDX, a weekly review of the latest shortwave and DX news broadcast on Channel 292 in the MFSK32 mode. Our broadcast times will be 2100 Tuesday night on 6070. We are broadcast from Germany but the signal should be receivable across Europe, the Middle East, North Africa and further afar.

The broadcast will also include your letters and reception reports, reviews of shortwave receivers and apps and more! Please send any reception reports, comments or suggested stories to reports@digidx.uk

News Headlines:

Russian station to begin Shortwave broadcasts

Special station for Uganda Elections

Radio Oeoemrang yearly broadc, t, [sic with garbles]

hrrnrrnti^ #Unl free shortwave broadcast time

New WRMI schedule released

Upcoming relays and special broadcasts

oo

Thanks and best regards (Tobias (T≤), Germany, WORLD OF RADIO 1814,  
DX LISTENING DIGEST)

\*\* GERMANY [non]. Radio ÷^mrang --- I saw a couple of postings about  
possibly a Radio ÷^mrang transmission scheduled for this Sunday  
(February 21). I sent a note to Michael Puetz at Media Broadcast.  
Below is his reply:

"Dear Richard, Thank you very much for your kind mail. Interesting to  
hear about your Radio activities and therefore I am glad to confirm to  
you that Radio ÷^mrang will perform their transmission as usual on  
February 21st, 2016 from 1600-1658 UTC on 15215 kHz via Issoudun.

We are looking forward to your reception report. Best regards,  
Michael Puetz, Sales Consultant, Business Unit Radio  
MEDIA BROADCAST GmbH, Erna-Scheffler-Straße 1, 51103 Cologne,  
Germany`` (via Rich D'Angelo, PA, Feb 19, NASWA yg via DXLD)

Wenn sie morgen nicht wieder die Feederzuführung 'verdaddeln',  
wie letztes Jahr 2015, für die Freunde des gepflegten grünen Frisen-  
Pils, und auch wieder ein grosses L%ster Potential: (Wolfgang Buschel,  
Feb 20, DX LISTENING DIGEST)

If they do not back tomorrow the spring feed 'verdaddeln' like last  
2015, for friends of manicured green friezes-Pils, and again a great  
potential for Scandal: (Google attempted translation via DXLD)

÷^mrang imminent --- One last reminder that the annual Radio ÷^mrang  
broadcast is imminent at 16-17 UT Sunday, 15215 via FRANCE (Glenn  
Hauser, 1556 UT Feb 21, dxldyg via DX LISTENING DIGEST)

Sign on at 1600 with S9+ signal. Opening ID's in English along with  
program summary (Stephen C Wood, Harwich, Mass., ibid.)

15215 kHz, hier 0=3-4, fading, 16.00z start, "10. Ausgabe" (roger,  
Germany, ibid.)

Strong and clear signal here (Alan Roe, Teddington, UK, 1607 UT,  
ibid.)

Strong here and good audio in English (Rich Near Chicago, IL Ray, JRC  
NRD 545 and Wellbrook 330s, 1610 UT, ibid.)

Hello Glenn, Radio Oomrang is booming into Montreal at 1600 UT, S9 +20



on 15215. Mix of English and other language. Full broadcast will be posted to my Youtube channel after the show. 73 (Gilles Letourneau, Twitter @shortwaveradios  
<http://www.youtube.com/officialswlchannel>  
ibid.)

Good signal here in North Beds, a little fading but OK. Sent By (Carl K Flatman From My Tablet In North Bedfordshire UK :-), 1620 UT BDXC-UK yg via DXLD)

Very nice signal into Victoria, BC at 1626 as well. Up to about an S8 signal, and easily the strongest signal on the 19 m band below 15405 kHz. A mixture of English, presumably Frisian (which vaguely sounds like German), and German. This is by far the best reception I've ever heard. In other years, it was a tough catch this way. I've forgotten whether previous years were via German transmitters or not? 73 (Walt Salmaniw, dxldyg via DX LISTENING DIGEST)

Yes, until Feb 2013 was via MBR Wertachtal Germany beast, 15215 1600-1700 to zones 4,8,9 WER 500 kW 300 deg Tues 21 Febr 2013 R00

in 2014 via MBR Nauen Germany, 15215 The Radio Oeoemrang broadcast was via MBR Nauen. The Media-Broadcast Wertachtal site is currently moth-balled (like Skelton in the UK) - all relays were transferred to Nauen in May 2013. Radio Oeoemrang in 2015 and 2016 via TDF Issoudun site (Wolfgang B, schel, ibid.)

A decent (not blow-torch) slightly noisy signal into New Brunswick but I only used a Tecsun PL-880 receiver with its built-in telescopic antenna inside my RFI-plagued house. I would imagine that most of the Frisian immigrants and their descendants to whom the broadcast is aimed wouldn't have much more sophisticated receiving equipment. I wonder how many Frisian-speaking listeners there might actually be for these annual broadcasts? )-- Richard Langley, 1744 UT, ibid.)

Opening in English says there are more exiles from Amrum now in New York than on the island itself. Hmmm, could do a 10-second daily broadcast, but a little harder to manage than ~3500 seconds/year, hi. Wolfgang Bueschel says it was boring (Glenn Hauser, ibid.)

RadioPlay and Brandy drunken ladies, .... content is something boring.  
[https://app.box.com/s/xk9lztgmlqmdojdnf7mnjgh0iauan915215\\_ISS\\_20160221\\_1600UTC\\_MBR\\_RadioOemrang\\_Amrum\\_North\\_Sea\\_island\\_3.ogg](https://app.box.com/s/xk9lztgmlqmdojdnf7mnjgh0iauan915215_ISS_20160221_1600UTC_MBR_RadioOemrang_Amrum_North_Sea_island_3.ogg)  
(- W. Bueschel df5sx, wwdxc germany, via DXLD)

15215, Sunday Feb 21, 2016y at 1600, yearly broadcast of Radio ÷^mrang starts up, confirmed by MBR as via Issoudun, FRANCE site. Good signal

but not enough to overcome all computer noise which I can't turn off as I hasten to complete this report. Much like last year, informal conversation, mixing in bits of English with Frisian and (high) German, rather hard to follow, especially with the accent in English, it's not always clear when languages are switching. But I try to listen. At 1611 refers to an internet radio service always available, but can't copy URL. By 1648 a number of women are laughing about something; 1656 ID in English with frequency and off circa 1659\*. In 2017y, of course, it'll leap to a Tuesday (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

Hello radio friends, If you missed the Oomrang broadcast today, here it is in two parts full hour via Youtube

Part 1 of 2 Radio Oomrang special broadcast from France relay 15215  
<https://www.youtube.com/watch?v=hIiHKE0DQ-4>

Part 2 of 2 Radio Oomrang special broadcast from France relay 15215  
<https://www.youtube.com/watch?v=XTIHvAFD2uo>

Enjoy! 73 (Gilles Letourneau, QC, dxldyg via DXLD)

Am 21 Febr um 1605 UT schrieb Felix Lechte:

Hier mit S7 verstaendlich zu hoeren. Zwischendurch allerdings immer wieder ein stoerendes "Kratzen". Hoert jemand anders dieses Stoerung auch?

Hier auf Menorca S=6-S9, das Kratzen kommt (zumindest bei mir) vom oberen Seitenband von Saudi-Arabien, die auf 15205 kHz ziemlich breitbandig und stark auftreten (Michael Haun-ESP, A-DX ng Febr 21)

1632 UT, Remote reception in Massachusetts USA gibt es ueberhaupt kein Kratzen zu verzeichnen der Saudi noch nicht mal zu hoeren, aber auf dem SDR Server dort, hoert man teilweise unter den Platt und Englisch Interviews in der guten Stube mal ein Handy Meldungs-Burst und etwas Musik ganz tief unten drunter auch manchmal.

Und Radio Caroline ist auch ein Thema ... Beatles usw.

In Massachusetts USA ein S=9+5dB Signal aus TDF Issoudun, aber N1ZZN hat nicht die empfangsstaerkste KW Antenne an der Ostkueste;

dagegen K2DLS in New Jersey-USA hat meist die bessere Antenne, je nach dem benoetigten Meterband. Jetzt in New Jersey USA East coast ein S=9+15dB Signal festzustellen.

1652 UT, eine Bauerntheater Auffuehrung mit Mikrofon 5m weiter Entfernung, sowie einige Schnaepse scheinen auch ein Thema zu sein.

1657 UT, Der Programmname, die Bitten um Spenden fuer die nicht unerheblichen Sendekosten und die Koelzow Adresse wurden 3x wiederholt, in Deutsch und English, mitten in der letzten ID um 1658:04 UT wurde in Frangreissssch der Stecker gezogen (via Wolfgang B,schel, DXLD)

Had a nice signal and enjoyed the program. Any idea what the email address is for a QSL. The one that I used bounced  
QSL-Shortwave at media-broadcast.com (myteaquinn, west of Cleveland, NASWA yg via DX LISTENING DIGEST)

Odd, the QSL-Shortwave@media-broadcast.com is Media Broadcast's standard address. My report did not bounce. However, you can try a more direct approach sending your report to Michael Puetz at: Michael.Puetz@media-broadcast.com 73, (Rich D'Angelo, ibid.)

Found out what my mistake was. I didn't read the reason for the failure, the audio file that I attached to the report was too big. (myteaquinn, west of Cleveland, ibid.)

Ah, so the original e-address is still good which is nice to know. Media Broadcast has been a reliable verifier of listener reception reports over the years. In talking to Michael last week, I know he is looking forward to reception reports for this transmission. 73, (Rich, ibid.)

Radio ÷^mrang via Issoudun, France --- Michael Puetz at Media Broadcast verified Radio ÷^mrang via Issoudun, France overnight with a standard PDF attachment (Rich D'Angelo, Feb 22, ibid.)

Also received today. However there is no indication on the e-QSL that this was Radio Oomrang except for a listing under the "BCC" category for "R00" (Stephen C Wood, Harwich, Mass., ibid.)

Stephen, I had the same issue but an electronic note to Michael Puetz yielded a second PDF attachment with the station name in the program name box. 73, (Rich, Sent from my iPhone, ibid.)

15215, FRANCE, Radio ÷^mrang ñ Issoudun, 1601-1658\*, Feb 21, annual special transmission from the folks on Amrum Island with much English mixed with local German language and apparent repeat of previous year's broadcast with interviews with people who live on the island and discussions about the way of life on the island. Many nice station IDs. Very good reception this year (Rich D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610, U.S.A., Ten-Tec RX-340, Drake R-8B, Eton E1, Eton E5, Alpha Delta DX Sloper, RF Systems Mini-Windom, Datong FL3, JPS ANC-4, NASWA Flashsheet via DXLD)

"A decent (not blow-torch) slightly noisy signal into New Brunswick but I only used a Tecsun PL-880 receiver with its built-in telescopic antenna inside my RFI-plagued house." Archived here:  
<https://archive.org/details/RadioOomrang15.215MHz21February20161600UTC>  
and here:  
<http://shortwavearchive.com/archive/radio-mrang-february-21-2016>  
(Richard Langley, dxldyg via DX LISTENING DIGEST)

\*\* GOA. 11739.985, INDIA, AIR's fluttery signal from Goa Panaji odd Marconi unit, S=9 proper, noted at 0109 UT on Feb 20 in Eastern Thailand unit [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang B, schel, noted on remote network SDR station in eastern Thailand, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

15175, Feb 22 at 1526, open carrier, dead air with flutter, S8 past 1531 when maybe it's just barely modulated, still on past 1559. Only thing listed in HFCC is AIR Panaji, 15-16 in Gujrati, 250 kW, 205 degrees; Aoki refines it not really to start until 1515. WRTH 2016 shows same to East Africa, and it looks like it's time again to turn this over to some other site such as Bengaluru, as on // 11620, 13640 (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* GREECE. Very good signal into Maritime Canada this evening on 9420 kHz (at 2150 UT). Pleasant Greek music. Nothing heard on 9935 or 11645 kHz. Just as well, as that would just be the whining transmitter (Richard Langley, Feb 17, dxldyg via DX LISTENING DIGEST)

Nothing at all here on Cape Cod tonight. I can see the signal on my Perseus screen but no audio is coming thru. Band noise is not that excessive so just no propagation or transmitter problems. I would go for propagational cause as the majority of the SW bands seem pretty depressed. Spaceweather.com mentioned earth moving thru CME tonight . Just as I write this, 0146, audio is back on 9420. Started up in mid song. I guess the bands aren't as bad as I thought, S8 signal (Stephen C Wood, Harwich, Mass., ibid.)

9930, Feb 19 at 0121, ERT whine centered here, NOT on 9935; have they decided directly to take on T8WH and WTWW? 9420 with Greek music is S4 at 0127 Feb 19 (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

Shortwave transmission of Voice of Greece, Feb 19  
0530-0708 on 9420 AVL 170 kW / 323 deg to WeEu Greek tx#3  
0530-0708 on 11645 AVL 100 kW / 182 deg to NoAf Greek tx#1  
0708-0800 on 9420 AVL 170 kW / 323 deg to WeEu Vary^ tx#3  
0708-0800 on 11645 AVL 100 kW / 182 deg to NoAf Vary^ tx#1  
^ Serbian, Romanian, Spanish, Russian, Polish, Albanian, Italian and Arabic. And no signal from Voice of Greece at 0915.

<http://swldxbulgaria.blogspot.bg/2016/02/shortwave-transmission-of-voice-of.html>  
73! (Ivo Ivanov, B'lgariya, Feb 18-19, dxldyg via DX LISTENING DIGEST)

9935, Feb 20 at 0107, the S6 ERA whiner with a trace of program modulation is back on nominal after switch to 9930 last night. But the OK transmitter is NOT on 9420.

9935, Feb 20 at 0622, ERT whining at S4-8 level, and nothing on the other frequency, 9420 which is capable of normal modulation (Glenn Hauser, OK, DX LISTENING DIGEST)

Random reception for Voice of Greece on a single frequency, Feb 20:  
from 0725 9935 AVL 100 kW / 285 deg WeEu Greek tx#1 and off at 0755  
<http://swldxbulgaria.blogspot.bg/2016/02/random-reception-for-voice-of-greece-on.html>  
73! (Ivo Ivanov, QTH: Sofia, Bulgaria, dxldyg via DX LISTENING DIGEST)

Voice of Greece was back again on SW from 1845 February 22  
from 1845 9420 AVL 170 kW / 323 deg to WeEu Greek tx#3, relay ERT-1  
from 1845 9935 AVL 100 kW / 285 deg to WeEu Greek tx#1, relay ERT-1  
[http://swldxbulgaria.blogspot.bg/2016/02/voice-of-greece-was-back-again-on-sw\\_22.html](http://swldxbulgaria.blogspot.bg/2016/02/voice-of-greece-was-back-again-on-sw_22.html)  
-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

Voice of Greece on air tonight, noted at 0240 UT Feb 23, some in Detroit MI remote unit, but also here in southern Germany. 9420.006 S=9+20dB and \\ odd whine audio sounded 9934.9465 kHz center too, both heard in southern Germany. Strength in MI Detroit remote SDR net unit was only S=6 though (Wolfgang B,schel, Germany, Feb 23, dxldyg via DX LISTENING DIGEST)

Shortwave transmission of Voice of Greece, Feb 23  
till 0708 on 9420 AVL 170 kW / 323 deg to WeEu Greek tx#3  
till 0708 on 9935 AVL 100 kW / 285 deg to WeEu Greek tx#1  
0708-0800 on 9420 AVL 170 kW / 323 deg to WeEu Vary^ tx#3  
0708-0800 on 9935 AVL 100 kW / 285 deg to WeEu Vary^ tx#1  
^ Serbian, Romanian, Spanish, Albanian, Russian, Arabic. Today missing Polish & Italian. No signal on 9420/9935 at 0815 UT!  
[http://swldxbulgaria.blogspot.bg/2016/02/shortwave-transmission-of-voice-of\\_23.html](http://swldxbulgaria.blogspot.bg/2016/02/shortwave-transmission-of-voice-of_23.html)  
(Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

Martedì 23 febbraio 2016 (VR5000DSP)  
0745 - 9934.96, VO GREECE con ronzo. 0750 nxs AA. SF-BN  
0748 - 9420.00, VO GREECE senza ronzo. 0750 nxs AA. MB

SEGNAL-SIGNAL  
JBA - Portante-Carrier

IN - Insufficiente-Poor  
SF - Sufficiente-Fair  
BN - Buono-Good  
MB - Molto Buono-Very Good

(SWL I1-0799GE, Luca Botto Fiora, QTH Rapallo (Genova) - Italia, G.C.  
44 21' 06.89" N / 09 13' 30.94" E, bclnews.it yg via DXLD)

9935, Feb 23 at 0642, ERT whiner is audible at S5, while 9420 non-whiner is JBA carrier at S2 (Glenn Hauser, OK, DX LISTENING DIGEST)

9934.951, Feb 23 at 2052, ERT whine is very poor centered here, and suffering from 9930 WTTW splatter (Glenn Hauser, DX LISTENING DIGEST)

Voice of Greece from 2000 UT Feb 23 to 0800 Feb 24

from 2015 on 9420 AVL 170 kW / 323 deg to WeEu Greek tx#3

from 2015 on 9935 AVL 100 kW / 285 deg to WeEu Greek tx#1

0700-0800 on 9420 AVL 170 kW / 323 deg to WeEu Vary^ tx#3

0700-0800 on 9935 AVL 100 kW / 285 deg to WeEu Vary^ tx#1

^ Greek, Serbian, Romanian, Spanish, Albanian, Russian, Polish, Italian & Arabic. 9935 off at 0753, 9420 off at 0758!

<http://swldxbulgaria.blogspot.bg/2016/02/voice-of-greece-from-2000ut-feb23-to.html>  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

9934.94, Feb 24 at 0625, ERT whine at S5, trace of program modulation --- and WTTW is STILL on 9930, but too weak to splatter now (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

Nice signal into New Brunswick this afternoon (at 2139 UT) on 9420 kHz with Bouzouki music with voice accompaniment (or the other way around). Parallel to 9935 kHz, which is whining away. Why bother to transmit on 9935 kHz except perhaps to occupy the frequency so it is not usurped? -- (Richard Langley, Feb 24, dxldyg via DX LISTENING DIGEST)

Voice of Greece was back on SW at 2000 UT, Feb 24:

from 2000 on 9420 AVL 170 kW / 323 deg to WeEu Greek tx#3

from 2000 on 9935 AVL 100 kW / 285 deg to WeEu Greek tx#1

<http://swldxbulgaria.blogspot.bg/2016/02/voice-of-greece-was-back-on-sw-at.html>

Reception of Voice of Greece 0700-1010, Feb 25:

0700-0800 on 9420 AVL 170 kW / 323 deg to WeEu Vary^ tx#3

0700-0800 on 9935 AVL 100 kW / 285 deg to WeEu Vary^ tx#1

0800-0900 on 9420 AVL 170 kW / 323 deg to WeEu Greek tx#3

0800-0900 on 9935 AVL 100 kW / 285 deg to WeEu Greek tx#1

0900-1010 on 9420 AVL 170 kW / 323 deg to WeEu Vary\* tx#3 and off

0900-1010 on 9935 AVL 100 kW / 285 deg to WeEu Vary\* tx#1 and off

^ Serbian, Romanian, Spanish, Russian, Albanian, Polish, Italian,

Arabic.

\* Arabic/Italian 0905-0910; Romanian/Serbian/Russian 1005-1010 UT  
<http://swldxbulgaria.blogspot.bg/2016/02/reception-of-voice-of-greece-after.html>  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* GUATEMALA. 4055, Feb 18 at 0505, R. Verdad mentions Dr ...dgar Amílcar Madrid, hymn in Spanish changes to one in English, introducing 'Spiritual Songs' to enjoy. It's good at S9+25-30, but I will not assume the signal is being magically 'injected' into my radio without benefit of a transmitter; rather, tropical southern signals are getting a boost (see also GUYANA), as WWV reports K-index of 4 at 0300, rising to 5 at 0600, after geomagnetic storms reaching the G2 level occurred (Glenn Hauser, OK, DX LISTENING DIGEST)

Dr Madrid forwards another reception report to the SW Alliance guy, this time from Veracruz cc to me:

Atenci n: Ing. Jorge Luis Valladares Abila

Apreciado Ingeniero: Tengo el gusto de transcribirle un buen reporte que acabo de recibir desde Minatitl n, Veracruz, M xico.

Atte. Dr. ...dgar Amílcar Madrid Radio Verdad y Radio Verdad TV-----

===Transcripci n===Reportes de recepci n RADIO VERDAD Gente  
Mariano Rodr guez Maldonado  
<marianorm80@gmail.com> Para ...dgar Amílcar Madrid  
Hoy 23 feb 2016 a las 7:28 P. M.

Estimado amigo ...dgar Amílcar Madrid. Mucho gusto poder saludarle de nueva cuenta por medio de este email. El d a 14 de febrero me lleg  un correo electr nico de parte suya, donde me comentaba que en cuanto tuvieran recursos me enviar  la QSL, lo cual le agradezco mucho y esperar  a obtenerla por parte de Radio Verdad. Quiero tambi n comentarle que tengo otros informes de recepci n que anot  los d as que Radio Verdad estuvo haciendo pruebas de trasmisi n con mucha potencia, los detalles de dichos reportes son los siguientes:

Radio Verdad, Frecuencia: 4055 KHz

Fecha: 16 de febrero de 2016. Hora: 00:30 - 00:40. SINPO: 55544

Fecha: 17 de febrero de 2016. Hora: 02:30 - 02:45. SINPO: 55444

Fecha: 19 de febrero de 2016. Hora: 01:35 - 00:45. SINPO: 44444

Para los tres informes de recepci n se utiliz  un receptor Tecsun PL-600 con una antena de hilo largo de 6 metros. El lugar de recepci n fue Minatitl n, Veracruz M xico. En las tres emisiones pude escuchar que transmit n m sica religiosa. De nueva cuenta dejo mis datos de correo postal por si desea enviar confirmaci n de dichos reportes:

Mariano Rodríguez Maldonado.  
Galeana #16, Praderas del jagüey  
Minatitlán, Veracruz 96770, México.

Por otra parte, quiero felicitar a todos los que hacen posible Radio Verdad, ya que pude escucharlos con mucha potencia y muy buen SINPO. Sin más por el momento me despido estimado amigo ...dgar, enviándoles cordiales saludos y esperando pronto volver a enviar reportes de recepción y que éstos sean de utilidad para ustedes. Dios los bendiga. Hasta pronto (via Dr Madrid, DXLD)

Estimado Edgar, No es asombroso que llegue tan bien a la cercana Veracruz, igual que cumple aún hasta Oclajoma en la era aún antes de ``alta potencia inyectada sin transmisores`` -- Todavía no se le explica exactamente cómo se funciona? 73, (Glenn, el dudoso, to Dr Madrid, via DXLD)

\*\* GUYANA. 3290.0, Feb 18 at 0458, V of Guyana is stronger than usual at S9+15 --- but just barely modulated! 0459 I make out an ID for BBC World Service and timesignal ending one second late before news relay. Hearing this much is a feat as normally it's a much weaker carrier only (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* INDIA. 4888: see UNIDENTIFIED (Glenn Hauser, WORLD OF RADIO 1814, DXLD)

\*\* INDIA. AIR Urdu Service spurious signals --- I am getting the spurious signals of AIR Urdu Service at various times: 25 Feb 16: 0100 UT 7045 kHz strong. Other frequencies weak signals on 6570 6730 6890 kHz. 24 Feb 16: 1415 UT, 7050 kHz. The signals are distorted. First noted on Feb 9, 2016. It is heard by Mr. C. K. Raman, in Delhi also. The sked of AIR Urdu service is:  
0015-0430 UT: 702(J) 6145(A) 1071(R) 7340(M) 7520(Kh) 11620 (B)  
0830-1130 UT: 702(J) 7250(Ki) 7340(M) 11620(Kh) 9940(Ki)  
0830-1930 UT: 7520(Kh)  
Yours sincerely, (Jose Jacob, VU2JOS, National Institute of Amateur Radio, Raj Bhavan Road, Somajiguda, Hyderabad 500082, India, Cell: +91 94416 96043, <http://www.qsl.net/vu2jos> Feb 24, dx\_india yg via DXLD)

Spurious from AIR Nepali service noted 0700 UT onwards on 7045 and other freq in parallel 7520. ck (C K Raman, ibid.) So looks like 7520 Khampur transmitter is the culprit (gh)

\*\* INDIA. 7505.005 ??? and two ... three measurement engineering test tones of 100/200/287 Hertz distance away, at 0129 UT. Guess its rather AIR Delhi Kingsway technician tests. [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang B.schel, noted on remote network SDR



station in eastern Thailand, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

\*\* INDIA. 15049.992, AIR Sinhalese? via Delhi Khampur, but NOT ON DRM mode, rather in normal AM mode instead, S=8 in Doha Qatar at 1423 UT (Wolfgang B\_schel, BC-DX, Log on Monday Feb 22 at 1400-1530 UT - mostly in SDR net remote unit in Doha Qatar, but also in Brisbane Queensland Australia, and in southern Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz], dxldyg via DX LISTENING DIGEST)

\*\* INDIA. PRASAR BHARATI BOARD PICKS DOORDARSHAN, AIR HEADS  
[http://www.ptinews.com/news/7140652\\_Prasar-Bharati-board-picks-Doordarshan--AIR-heads.html](http://www.ptinews.com/news/7140652_Prasar-Bharati-board-picks-Doordarshan--AIR-heads.html)

New Delhi, Feb 24 (PTI) Tamil Nadu-cadre IAS officer Supriya Sahu and senior broadcaster F Sheheryar are set to head Doordarshan and All India Radio (AIR) respectively as they have been selected by the Prasar Bharati board, officials said today.

"Members of the Prasar Bharati board chose Sahu to head Doordarshan and Sheheryar to become the AIR Director General. The proposal recommending their appointment would be sent (to the I&B Ministry) soon," a senior official said. Sheheryar at present heads AIR as its acting chief.

According to official sources, the Prasar Bharati board interviewed around 10 candidates for the top positions at Doordarshan and AIR today after which the two names were chosen. Both AIR and DD have been under acting heads for more than a year as regular appointments were delayed.

The Prasar Bharati board will now forward these names to the Information and Broadcasting Ministry and the final clearance would come from the Appointments Committee of the Cabinet.

Sahu is a 1991-batch IAS officer who had earlier served as a Joint Secretary in the I&B Ministry.

Sheheryar, a senior officer of the Indian Broadcasting (Programme) Service who joined AIR in 1981, has an extensive programming background. He has also served as the Station Director of Radio Kashmir.

In the meeting, Prasar Bharati Chairperson A Suryaprakash, CEO Jawhar Sircar and other members were present. However, Bollywood actor Kajol who was recently appointed as a part-time member did not attend the meet. --- (via Alokesh Gupta, New Delhi, Feb 24, dx\_india yg via DXLD)

\*\* INDONESIA. 3325: Hi Glenn - Feb 18 at 1250 only open carrier with very faint audio (unusable); by 1305 had slow improvement; 1317 positive RRI ID; clearly only one station here, therefore believe the station I heard the whole time today was only RRI. No NBC Bougainville on 6020 during this time period (Ron Howard, CA, DX LISTENING DIGEST)

3325, RRI Palangkaraya. Feb 19 tuned in at 1234 to find the frequency clear of any carrier (so also no NBC Bougainville); still totally silent at 1340, but by 1359 they were on the air with almost fair reception and went into their normal local Palangkaraya news.

3325, RRI Palangkaraya, 1045, Feb 21. Fair reception on top of Bougainville, with Islamic call-to-prayer, the Maghrib (evening prayer, just after sunset).

3325, RRI Palangkaraya on Feb 22 was off the air from tune in at 1140 and subsequent checking.

3325, RRI Palangkaraya heard again Feb 23; yesterday not signing on till \*1425, per Atsunori Ishida; 1202 with Jakarta news; NBC Bougainville very weak underneath for a short time; 1219 ended the news with UNID patriotic song (not the usual patriotic song iBagimu Negeri); // 3904.96 (RRI Merauke) (Ron Howard, San Francisco at Ocean Beach, CA, EtŪn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

\*\* INDONESIA. 3905, Pro 1 RRI Merauke was silent Feb 18, but heard again the next day at 1236 check (Ron Howard, Asilomar State Beach, CA, EtŪn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

3904.982, RRI Merauke, proper S=9+10dB signal observed in Brisbane. At 1445 UT on Feb 22. Nice clean audio and excellent modulation noted in Queensland (Wolfgang B,schel, BC-DX, Log on Monday Feb 22 at 1400-1530 UT - mostly in SDR net remote unit in Doha Qatar, but also in Brisbane Queensland Australia, and in southern Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz], dxldyg via DX LISTENING DIGEST)

\*\* INDONESIA [and non]. Some three peaks on always on bad 4750v kHz channel mixture at 1500 UT:  
4749.949, INS tentat. RRI Makassar program?  
4749.992, CHN tentat. CNR Hailar Chinese program?  
4750.0, BGD Probably Radio Bangladesh Betar program? S=6 strongest. (Wolfgang B,schel, BC-DX, Log on Monday Feb 22 at 1400-1530 UT - mostly in SDR net remote unit in Doha Qatar, but also in Brisbane Queensland Australia, and in southern Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz], dxldyg via DX LISTENING DIGEST)

\*\* INDONESIA. RE: Glenn's non-log and comments:

"9680, Feb 14 at 1426, absolutely no signal here, not even a JBA carrier, so no RRI Pro 4 reactivated. The other RRI/VOI frequency, 9525-, does have a JBA carrier, which is the best it ever does here. Also, the China/Taiwan radio war must be over at 1400; and KNLS, if foolish enough to collide with them earlier, is taking a break during this hour. I'm checking because of this recent report:

`9680.00, 1220-1235 30.1, RRI Jakarta 4, Cimanggis (tentative). Bahasa Indonesia talk, music, 42432, QRM R Taiwan Int. in Chinese on 9680. Best 73, (Anker Petersen, Denmark, heard on my AOR AR7030PLUS with 28 metres of longwire in Skovlunde, via Dario Monferini, playdyg via WORLD OF RADIO 1811, DXLD)

9680 RRI was last reported exactly one year ago, as in <http://rri.jpn.org/dat/html/2015/2015-02.html> (Glenn Hauser, WORLD OF RADIO 1811, DX LISTENING DIGEST)"

Hi Glenn - Feb 21 was able to tune in before the "China/Taiwan radio war," at 1026 and agree with your observations, as the frequency was totally clear of any station (no carrier at all) (Ron Howard, San Francisco at Ocean Beach, CA, EtÛn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

\*\* INTERNATIONAL VACUUM. 107.7 W Anik-F1/R, C-Band, V-4.142 GHz, 30002 MSPS H.264 8PSK compression and modulation at 720p resolution with HD CTV feed From CFRN-02 Edmonton showing ëCorner Gasí (If Iím being honest, this is one of my ëguilty pleasures. The show is so bad that it is good, if you know what I mean. And Brent Butt is a hoot and a half in an 'understated' sort of way.) Episode today was about curling -- a classic! In well with 68% quality and only the occasional pixel out of place (as shown here) but very watchable. Seen 2100-2130+ 13/Feb (Kenneth Vito Zichi, Port Hope MI2, MARE Tipsheet Feb 19 via DXLD)

\*\* IRAN. 9445.6, Feb 19 at 0125, very poor signal in Spanish, weird: must be VIRI, 500 kW, 310 degrees from Kamalabad, supposed to be on 9445.0 at 0020-0220. Listed // is 7225 in the Western Hemisphere hamband, also Kamalabad. I wonder if it's off-frequency too? (Glenn Hauser, OK, DX LISTENING DIGEST)

9550.007, IRIB in Turkish via Kamalabad distorted audio transmitter, - and three spurious either sideband, noted at 0525-0535 UT check on Feb 20. Scheduled daily 0420-0550 UT, heard with powerful S=9+35dB this morning. And accompanied three heavy scratching audio distortion spurs, on 9447-9453, 9487-9490, 9491.8-9507 kHz, and 9597.6-9611.3, 9647.8-9665.3, 9704-9711 kHz. Posted by: ("Wolfgang Bueschel" <dg1sbn>, dxldyg via DX LISTENING DIGEST)

7270.008, V of IRI in Tajik from Kamalabad, S=8-9, nice Persian folk music heard at 0121 UT, but modulation of slight 'whine distortion' type.

7360.008, V of IRI in Urdu from Kamalabad site, Interval Signal heard at 0120-0122 UT slot [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang B.schel, noted on remote network SDR station in eastern Thailand, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

6055, Feb 23 at 0230, JBA carrier. Surely not JOZ at midday in Japan; HFCC shows it must be IRIB, 0230-0530 in Arabic, 500 kW, 178 degrees from Kamalabad (Glenn Hauser, OK, DX LISTENING DIGEST)

Additional frequencies of VIRI IRIB from Feb 26 to March 17

0223-0320 on 6170 KAM 500 kW / 118 deg to WeAs Pashto

parallel freq 6075 SIR 500 kW / 053 deg to WeAs Pashto

parallel freq 7390 KAM 500 kW / 094 deg to WeAs Pashto

1623-1720 on 5975 KAM 500 kW / 118 deg to WeAs Pashto (alt. 7335)

parallel freq 5935 SIR 500 kW / 060 deg to WeAs Pashto

parallel freq 7345 AHW 250 kW / 084 deg to WeAs Pashto

<http://swldxbulgaria.blogspot.bg/2016/02/additional-frequencies-of-viri-irib.html>

73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

Why? Leading up to spring/new year? (gh, DXLD)

\*\* IRAN [non]. Reception of Radio Ranginkaman/Rainbow via BaBcoCk on Feb 22:

1700-1730 7460 SCB 050 kW / 090 deg to WeAs Farsi Mon/Fri, good signal

1700-1730 7550 TAC 100 kW / 236 deg to WeAs Farsi Mon/Fri, poor signal

[http://swldxbulgaria.blogspot.bg/2016/02/reception-of-radio-ranginkamanrainbow\\_22.html](http://swldxbulgaria.blogspot.bg/2016/02/reception-of-radio-ranginkamanrainbow_22.html)

-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* ITALY. Info Update 2016-02-24 --- I stumbled across yet another oddity from Italy on MW, Challenger-Radio 1368 + 846 + 567 kHz heard on 2016-02-21 at 2005z (snippet attached) had a DX test going, using their male computer voice "Challenger Radio, long propagation test on kHz 567 kHz 846 and kHz 1368." with short pings of tones inbetween the announcements. I hear the 1368 and 846, again nothing heard on 567 which is a channel used and covered by Spain. Thanks and best regards (Tobias (T≤), Germany, Feb 23, WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* ITALY. IBC Italian Broadcasting Corporation - New tests on 6970 kHz to Europe, Americas, Asia and Oceania

Dear listeners, ITALIAN BROADCASTING CORPORATION - IBC, will broadcast again as follows:

- Saturday 27 February  
2200-0200 UT on 6970 kHz USB TO THE AMERICAS

- Sunday 28 February  
0800-1200 UT on 6970 kHz AM TO EUROPE  
1600-2100 UT on 6970 kHz USB TO ASIA AND OCEANIA

During our airtime we will broadcast some old transmissions in English, Italian and Farsi (Persian), as well as new transmissions in English and Italian, like a mailbox (La posta degli ascoltatori) and "Italian Shortwave Panorama" co-produced with Marconi Radio International. Please spread the news and send your reception reports to [ibc@europe.com](mailto:ibc@europe.com)

Good listening! ITALIAN BROADCASTING CORPORATION - IBC from 1979!  
<http://www.facebook.com/IBC-Italian-Broadcasting-Corporation-42794031466>  
Posted by: (Antonello Napolitano, Feb 24, dxldyg via DXLD)

\*\* JAPAN. 774, JOUB Akita (NHK-2), 1334, Feb 19 with Chinese language lesson and of course also in Japanese; by 1403 had a English language lesson. This is consistently the best Trans-Pacific station that I can hear (Ron Howard, Asilomar State Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

\*\* JAPAN. 5006, HFD Radio Station JG2XA. Now that VC01 Chinese military numbers station has moved off this frequency, am able to almost daily hear CW here and // 8006; their CW is on for about 37 seconds every minute; best reception about 1330 (Ron Howard, Asilomar State Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

\*\* JAPAN. 6055, Feb 18 at 1333, R. Nikkei 1 with English lesson as habitual on Thursdays to compete with Sea Breeze: American accented guy is reading a news story about price hikes of train tickets to Disneyland, interspersed with gal in Japanese, not clear if translating or explaining (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* JAPAN [non]. 6195, UT Sun Feb 21 at 0427, S9+35 signal from R. Japûn via WHRI, with 'Espacio Diexista', which is evidently a subsexion of the mailbag show (not a revival of Radio Nederland's program), acknowledging a few reception reports, so all may know someones' SINPO readings. Already outro at 0429 in time to recite the full now very limited Spanish transmission schedule, including // 5985 for this 0400 transmission, so I quickly check that as 6195 cuts off:

5985, UT Sun Feb 21 at 0429, R. JapŰn via WRMI, has been // 6195 via WHRI, but not enough time to check synchrony; seems close. But wait! 5985 then continues with NHK opening in Russian, amid some IADs; by 0432 it's switched to a gospel huxter in English, which was supposed to start at 0430, i.e. scheduled 'Walking in Power'. (NHK Russian at 0430 is supposed to be only on 5910 via Lithuania, but checking that, I hear Alcarav·n radio instead; see COLOMBIA)

(As I check WRMI transmission grid at googledocs, Feb 21 at 1550, I see that Jeff White himself is logged into it, with a thumbnail of him as well as two anonymous users, Cheetah and Kangaroo, for group chat. Refreshing, Kangaroo has disappeared.) (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* KOREA NORTH [non]. 7400, Feb 18 at 1327, S9 = very poor but it's the Sea Breeze YL, in English as on Thursdays only; requires narrow bandwidth and LSB tuning on R75 to avoid 7405 Cuban jamming and Marti which add up to S9+20; 1328 spelling address, P O Box with piano music, and presumably replaying the first semihour during the second. No CRI Burmese noted today (Glenn Hauser, OK, DX LISTENING DIGEST)

Hi Glenn - Was also listening Feb 18 to Shiokaze's English; at 1355 segment "This is a message from the Japanese Government," but jammed with pulsating noise from N. Korea and also CRI QRM (Ron Howard, CA, dxldyg via DX LISTENING DIGEST)

\*\* KOREA NORTH [non]. 9975, Feb 19 at 1527, Korean at dictation speed, repeating, including numbers? Is tail of 1500-1530 Il Bon Ue Baram, = Wind from Japan, per Aoki, via PALAU. S9+10, facilitated now by AWOL of 9980 WWCRRBS; and to be followed at 1600-1630 by Japanese version of same, Furusato no Kaze (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* KOREA SOUTH. 4885, Echo of Hope - VOH, as of Feb 19, this continues to be well heard daily; still free of jamming, but occasionally hit with either OTH radar or CODAR QRM.

RE: UNID on 4888 that Glenn and I heard Feb 18, was not there today (Ron Howard, Asilomar State Beach, CA, EtŰn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST) It was INDIA off from 4880

\*\* KOREA SOUTH. 4900, Korean Numbers Station V24, \*1500-1508\*, Feb 21. Nice signal; an open carrier noted as early as 1457. Opening song - "Chohon" (Spiritualism) by Yunjeong Jang. My audio at <https://goo.gl/wGGcm8>  
Had some audio hum during the numbers. Nice music!

Group results of monitoring V24 since Feb 14 -  
<http://radio.chobi.net/DX/data/V24KoreanNumbers.html>

Station had been silent for many months (Ron Howard, San Francisco at Ocean Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

\*\* KUWAIT. USA(non), Good signal of Radio Free Afghanistan, the only station in this range, from 0945 19010 KWT 250 kW / 070 deg WeAs Dari/Pashto, scheduled 0430-1230  
<http://swldxbulgaria.blogspot.bg/2016/02/good-signal-of-radio-free-afghanistan.html>  
73! (Ivo Ivanov, QTH: Sofia, Bulgaria, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST) See AGHANISTAN [non] for this band in A-16 (gh)

\*\* KYRGYZSTAN. 4009.850, Kyrgyz Radio, from Bishkek Krasnaya Rechka, poor S=6 signal strength at Brisbane, at 1457 UT Feb 22, \\ 4819.886 kHz 1459 (Wolfgang B.schel, BC-DX, Log on Monday Feb 22 at 1400-1530 UT - mostly in SDR net remote unit in Doha Qatar, but also in Brisbane Queensland Australia, and in southern Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz], dxldyg via DX LISTENING DIGEST)

\*\* MALAYSIA [and non-log]. 5965, Radio Klasik, 1607, Feb 18. Checking for possible reactivation, but frequency was completely clear of any signal, as CRI had already signed off. So inactive remain Radio Klasik, Asyik FM (6050) and Traxx FM (7295). Almost daily I check for Asyik & Traxx.

11665, Limbang FM via Wai FM via RTM. It's Thursday so I checked for this relay; yes, they still carry Limbang FM programming (1315-1400); 1333 on Feb 18 with full Limbang FM ID and frequencies; fair. Thanks again to Harold Frodge for first finding this Thursday relay. Is also carried on Monday, as discovered by Dan Sheedy (Ron Howard, Asilomar State Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST)

11665, Feb 18, 2337-2342 RTM Wai FM, Kajang, in Malay. All musics; YL talks. Fair signal and barely audible modulation, 35331 (DXer JosÉ Ronaldo Xavier (JRX), Cabedelo [PB], Brazil, Sony ICF-SW100S, Hard-Core-DX mailing list via DXLD)

11665.000, RTM Kajang K-L, proper S=9+15dB strong service heard in Eastern Thailand. News read by male presenter at 0104 UT Feb 20, nice sounding 10 kHz wide signal on 11660 to 11670 kHz [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang B.schel, noted on remote network SDR station in eastern Thailand, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

[and non]. 11665, Feb 24 at 1419, CCI between two equal stations, one music, one talk, Asian? Music is certainly MALAYSIA, which failed to register with the HFCC, and which shows the other is: CRI English, due

west via Urumqi, East Turkistan during this hour only. Egypt and Japan also use 11665 at other hours (Glenn Hauser, OK, DX WORLD OF RADIO 1814, LISTENING DIGEST)

\*\* MARSHALL ISLANDS. RMI's AM Radio Station Unable To Broadcast After Breakdown --- Government station not reaching outer islands  
By Giff Johnson, Pacific Islands Report, Pacific Islands Development Program, East-West Center, With Support From Center for Pacific Islands Studies, University of Hawai'i

<http://pidp.org/pireport/2016/February/02-19-05.htm>

MAJURO, Marshall Islands (Marianas Variety, Feb. 19, 2016) ñ Ongoing radio broadcasting woes of the Marshall Islands government worsened this week as the government's AM radio broadcasting equipment broke down and was unable to broadcast for days.

The problem sparked concern and debate at sessions of the parliament this week as the collapse of the AM broadcasting service meant the government station could no longer reach the thousands of islanders who live dispersed on remote outer atolls.

The government radio station's FM broadcast continued without interruption, but only provides partial coverage of the capital atoll, Majuro. The AM station, which used to have the power to be heard on atolls 600 miles distant from Majuro, has been slowly worsening over the past several years, with many complaints in parliament but no significant improvements.

Station manager Antari Elbon said last Friday V7AB radio staff and national telecom workers were working on the problem, which they were still trying to identify and resolve. The AM station was still off as of Wednesday.

The issue of weak V7AB broadcasting power generated considerable discussion in the parliament this week, with Majuro Sen. David Kramer, Kwajalein Sen. David Paul and Maloelap Sen. Bruce Bilimon questioning the government about its plans to get the station back to where it was a few years ago when its broadcasts were adequate to reach the furthest outer island.

Kramer said V7AB needs to be a priority so people on the outer islands and around Majuro can hear parliament sessions ó which are broadcast live ó and get emergency information.

Minister in Assistance to the President Mattlan Zackhras agreed that the broadcast situation was deficient, and pointed out that this ongoing problem was raised repeatedly as an issue in parliament last



year with little result. V7AB has refurbished its broadcast tower, but the key problem now is the need for equipment that costs \$65,000 and funds have yet to be identified. He said it should be a priority for the government to locate funds to enable the purchase of the equipment to improve V7AB broadcast.

Bilimon wanted to know if funds could be located and how quickly the station could be repaired to resume broadcasting so the outer islands could tune in.

Paul said the government needed to have back-up parts and a plan for parts and maintenance of V7AB equipment to ensure this type of situation doesn't continue as it has for years. The government is "reactive" and needs to be proactive to get out in front of this problem "so V7AB broadcasts all the time for people to hear," he said.

Last May the U.S. Interior Department approved a \$40,600 grant to upgrade the government station. As of this week, only \$18,000 of the funding had been obligated but none of the grant actually spent, according to the Ministry of Finance.

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V7AB is on 1098 kHz. WRTH 2016 says 25 kW, on reduced power of 0.7 kW! (Glenn Hauser, WORLD OF RADIO 1814, DXLD)

\*\* MEXICO. 540, Feb 18 at 0625 UT, rock song in English, ``Cuarenta Principales`` interjected into song during a brief pause in lyrics, and again a minute later plus some other DJ comment. I would find this extremely annoying if I were enjoying the music, which I almost am; 0628 to a duet in Spanish. It's XEWA in San Luis Potosí, dominant now instead of XETX in Chihuahua, and forget about CBK. Still I doubt they are running 150 kW as listed (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* MEXICO. 680, Feb 18 at 1300 UT, starting local newscast about Sinaloa with activities of PAN party, i.e. XEOR0, Guasave, 1/0.5 kW. No problem from KNBR or KKYX yet (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* MEXICO. 800, Feb 18 at 1303 UT, paean to Papa Francisco who just visited Juárez, from XEROK, holding own by skywave at right angle to groundwave from KQCV OKC (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* MEXICO. RAYMIE'S MEXICO BEAT THIS WEEK ---

The IFT has been pretty quiet lately, but it sounds like they got a lot done today.

<https://t.co/zkw7S0a3cb>

Aside from taking part in government-wide budget cuts, telecommunications stuff, and whatnot, there was one public use concession of some sort issued and a couple of pirates silenced.

[tagline:] Este programa es p'blico, ajeno a cualquier partido polîtico. Queda prohibido el uso para fines distintos a los establecidos en el programa. Read my Mexico Beat blog (Raymie Humbert, Phúnix AZ, Feb 18, WTFDA Forum via DXLD)

The picture continues to look ominous for XHK and a strike may not be far off.

<http://colectivopericu.net/2016/02/17/es-mi-opinion-324/#more-88615>

On the 15th, XHK representatives refused to show up to an arbitration meeting, and a strike could occur as soon as March 7. Speaking of ominous pictures, why has there not been a single update to the IFT tables in six months? (Raymie, Feb 20, *ibid.*)

Last year, I helped Fred Nordquist identify his catch of XHVV-FM in Comalcalco, Tabasco. At the time, I noted the concessionaire's unforgettable name: Moisés Félix Dagdug Lutzow. I certainly did not forget that name, but unfortunately I have some very sad news to report.

Dagdug was assassinated in his Villahermosa home today.

<http://www.animalpolitico.com/2016/02/el-empresario-y-exdiputado-moises-dagdug-es-asesinado-en-tabasco/>

It appears that the killing was part of a robbery. He was a federal deputy for the PRD from 2006 to 2009 and two-time president of the state broadcasters' association (part of the national CIRT).

Tabasco Hoy has more on the story.

<http://www.tabascohoy.com.mx/nota/298142/encuentran-cervezas-y-cuchillo-en-camioneta-de-moises-dagdug>

The white pickup that the criminals used to flee the scene, which was stolen from Dagdug, was recovered, and beer and guns were found inside. There were traces of blood on the seats, and additionally one of the truck's tires blew out while the murderers fled.

His funeral will be held later this afternoon with burial tomorrow. Dagdug was 65 (Raymie, Feb 20, *ibid.*)

What Does the RTC Do?

We're all fairly familiar with the functions of the IFT as a regulatory agency. It licenses new broadcast stations, manages the concessions of existing ones and authorizes the technical parameters of said stations.

What it does not do, however, is monitor programming. That is part of the remit of another agency, the RTC ó Direcci3n General de Radio, Televisi3n y Cinematograf3a. The RTC, as its name suggests, has responsibilities in radio, television and film3where it is Mexico's rating system. The RTC does things that are important in their own right: the production of La Hora Nacional and distribution of PSAs and RTC long-form programs, the rating of television programs, and the management of content standards.

#### Distribution of programs

The RTC uses a system called DDIM  
<http://www.politicadigital.com.mx/?P=leernoticia&Article=2911>  
(which translates neatly into English as Digital Distribution of Information and Official Materials). The first DDIM came into use in 2004, while a second version launched in 2010. With the launch of DDIM, the RTC was able to stop using expensive courier services to send official materials to stations across the country. Materials are then sent by C-band satellite to more than 1,500 reception points across the country. At each reception point, there is RTC-issued equipment to allow the stations to receive the information, audio and video that has been sent.

Live programs are distributed as well, particularly cadenas nacionales. This is what it looks like when the RTC sends out an "Urgent Advisory".

[http://www.rtc.gob.mx/pautas/archivo/Aviso\\_Cadena\\_Nacional\\_Grito\\_15\\_SEPTIEMBRE\\_2015.pdf](http://www.rtc.gob.mx/pautas/archivo/Aviso_Cadena_Nacional_Grito_15_SEPTIEMBRE_2015.pdf)

The signal is sent live through the satellites, though it does not originate directly from the RTC but rather from the INE or from CEPROPIE - the presidential Center for the Production of Informational and Special Programs.

The RTC also maintains a site on which all of the radio and TV spots, editions of La Hora Nacional, etc. are available, which is <http://rtc.gob.mx/pautas> (the INE maintains its own at <http://pautas.ife.mx> for its spots). The site is notably older; the splash page has graphics from 2008 (using the design language from the Felipe Calder3n government), and there is an animation on the audio list page that has early 2000s-vintage government logos.

## Monitoring and enforcement

Each radio or TV spot and live program is tagged with a digital signature that allows the RTC to digitally monitor the stations for compliance. The RTC has a digital monitoring system and 31 movable monitoring units across the country. You can, of course, be fined for noncompliance, though the RTC doesn't exactly issue that many fines these days.

The RTC also issues permits for religious broadcasting (not for whole stations but for programs), and it's very lax at doing so (Raymie, Feb 21, *ibid.*)

Searching in the Facebook page of XHENB-29, an user reported issues with the digital audio of that channel.

<https://www.facebook.com/canal29/posts/10153952386904044>

So I went to the RPC, and look this: XHENB-29 is requested to broadcast in intermitent operation.

<http://rpc.ift.org.mx/rpc/pdfs/091215-INTERMITENTE-11422.pdf>

That implies at this time, XHENB-29 is working on DTV-only (Gargadon, Ciudad del Carmen, Campeche, Feb 22, *ibid.*)

I found that auth a couple of weeks ago and I've been sending those to Doug Smith. If you need info on shadows, go there first as he should have every shadow I can find in the RPC, except one where half the technical parameters are missing.\*

It's a super strange authorization:

#1. They were asked to be ready within three days of receiving the auth. That's a very short window.

#2. This is a change of location from the coordinates that were available for XHENB.

#3. It's conditioned on aviation and FCC approval. (Clause 11) The repacking tables list a very provisional, 1 kW digital facility for XHENB and also appear to list reference coordinates.

\*XHCBM Zamora Mich. (Cerro Pinturas Rupestres). The two pages are missing from the document in the RPC (Raymie, Feb 22, *ibid.*)

\*\* MYANMAR. 5985.0, Myanmar Radio, on Feb 18 (Thursday), after the news and weather in English, heard NHK's "Friends Around the World" show starting at 1536 with guest Kaichiro Kitamura, a jazz vocal percussionist, with hosts Risa Shimizu and Michelle Yamamoto; semi-readable (Ron Howard, Asilomar State Beach, CA, EtÛn E1, antenna: 100'

long wire, dxldyg via DX LISTENING DIGEST)

\*\* NEW ZEALAND. 11725, Feb 19 at 0655, NO signal from RNZI which is normally very good, but there is S9+10 worth of DRM noise from 11685 to 11690 to 11695. Now we know where their priorities lie. The DRM transmitter could also be operated in AM if necessary. As a Friday, this cannot be excused as a maintenance day. Are further AM frequencies missing?

<http://www.radionz.co.nz/international/listen>

(Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

Glenn, it happened before, here's a reply from last October:

Sent: Monday, 26 October 2015 10:02 a.m.

To: RNZIInfo

Subject: no analog transmission?

Hi there, I have just noted that your AM transmission on 11725 kHz shortwave is missing? DRM 11690 kHz was ok today. What happened to AM shortwave? Kind regards Harald Kuhl

Gesendet: Dienstag, 27. Oktober 2015 um 18:39 Uhr

Betreff: RE: no analog transmission?

Hello Harald, There was a transmitter fault which caused the disruption to our AM service. The problem has been fixed.

Regards

Adrian Sainsbury

Technical Manager

Radio New Zealand International

P O Box 123

Wellington 6011

Web: <http://www.rnzi.com>

RNZI Frequency Schedule at

<http://www.radionz.co.nz/international/listen>

(via Harald Kuhl, Germany, DXLD)

Fiji Cyclone --- RNZ International has tweeted that it will broadcast cyclone updates day and night on shortwave (Mike Terry, UK, 1627 UT Feb 19, dxldyg via DX LISTENING DIGEST)

15720, Feb 20 at 0114, music at S4, insufficient, but evidence that the AM transmitter of RNZI is working again after missing from 11725 last night.

11724.99, UT Sat Feb 20 at 0619, RNZI is back on the AM air, whew, for

the multi-hour 'Saturday Night' request show, which is one of the best things on SW, S9+20 with timecheck as 20 past 7.

11725.015, UT Sun Feb 21 at 0615, RNZI is on the hi side for a change, VG signal with the 'TED Radio Hour' from NPR in the USA! At first there are some intermittent carrier dropoffs. Discussion of need for equal justice, etc. I couldn't stop listening to this terrific program, rather than some more bandscanning before bedtime. 0654 outro by Guy Raz as ``on Radio N Zed National``, so fixed up just for them. It's weekly Sundays at 0606 UT. Here the RNZN page about it:  
<http://www.radionz.co.nz/national/programmes/ted>

``The TED Radio Hour is a National Public Radio series based on talks from annual gatherings where some of the world's deepest thinkers and innovators are invited to give the 18-minute "talk of their lives." TED stands for Technology, Entertainment, Design.``

It's scandalous that this and other excellent NPR programs have NO SW OUTLET from our own country, public or private! This episode content does not match the Feb 19 edition at  
<http://www.npr.org/programs/ted-radio-hour/>

Nor it seems what's on the NZ page above, with link to lots of other topix. As I was saying in my interview with Chrissie on Global Voice Radio, we're so fortunate to have RNZI relaying RNZN on SW (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

RNZI DIGITAL, 1505 21 Feb 2016, 9780; 1458 21 FEB - SINPO = 35323. English, music, female DJ (complaining of jet lag). 5 pips & ID at 1500z followed by news aftermath of cyclone Winston. sf98.9, a6, k0, geomag: inactive.

(Note: this was AM not DRM, and nothing heard on usual AM 9700 kHz). 25kw, beamAz 35 , bearing 226 . Sangean ATS505 w/Sony AN-LP1 active loop in west facing window. Received at Las Vegas, United States, 10847KM from transmitter at Rangitaiki. Local time: 0658 (Rodney Johnson, NV, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST)

Radio New Zealand International, 9700, 1458 23 FEB - SINPO = 35122. English, country music. ID at 1500z after 5 pips news read by Vicky ěKahn?í. QSB=slow-to-moderate rate, modulation mostly above a very high noise floor. (9780 kHz silent now after it was AM on the 21st and this frequency was silent). sf93.6, a4, k1, geomag: very quiet. 50kw, beamAz 35 , bearing 226 . Sangean ATS505 w/Sony AN-LP1 active loop in west facing window. Received at Las Vegas, United States, 10847KM from transmitter at Rangitaiki. Local time: 0658 (Rodney Johnson, NV, dxldyg via DX LISTENING DIGEST)

11725, Wed Feb 24 at 0655, RNZI is AWOL again from AM frequency, but

blasting S9+20 DRM noise from 11685 to 11695 (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* NIGERIA [and non]. 6089.860, Radio Kaduna Nigeria noted on fair S=7 level at 0510 UT, QRM by Anguilla religious on 2 Hertz upper side close at 6090.002 kHz (Wolfgang B\_schel, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

\*\* NIGERIA. 7255, Feb 18, 0803-0810, Voice of Nigeria, Abuja-Lugbe, in English (Not French, says new sked). YL/OM presents news and comments about Nigerian economy and development; ID. Good signal and fair modulation, 45433 (DXer JosÉ Ronaldo Xavier (JRX), Cabedelo [PB], Brazil, Sony ICF-SW100S, Hard-Core-DX mailing list via DXLD)

Hi out there, another one of these nowadays sporadic Voice of Nigeria logs: Not heard for the announced daytime English/French transmissions on 9690 or 15120 recently, but today from 1600 on 11770 again:

1600 dead air, only the whine, visible on Twente SDR waterfall as strong, irregular lines +/- 2.3 kHz and several others weaker. 1603 into kiSuaheli, 1606 break, ca. 1615 back and now after 1630 presumed Yoruba with segments of English during interviews. Strong signal, strong whine. 73 (thorsten hallmann, germany, feb 18, dxldyg via DX LISTENING DIGEST)

So what channel for what service seems to be more or less random at the moment; was 11770 for Arabic before and 9690 for kiSuaheli earlier in February. 73 (thorsten, 1732 UT, ibid.)

7254.93, Feb 19 at 0658, I've barely finished measuring the offset during drumming and a VON announcement in French, I think giving time 0700-0730, when at 0659\* it cuts off the air! Maybe they were saying French would then be on some other frequency? Nothing on 9690- (Glenn Hauser, OK, DX LISTENING DIGEST)

Voice of Nigeria on February 19, open carrier/dead air from 1622 on 9690 IK0 250 kW / 248 deg to WCAf B-15 in Swahili from 1751 on 11770\*IK0 250 kW / 007 deg to NoAf Arabic in B-15: \* very strong QRM from FEBA Radio/Radio Sama in Arabic on 11765 <http://swldxbulgaria.blogspot.bg/2016/02/voice-of-nigeria-on-february-19open.html> (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

[and non]. 7254.920, accurate V Of Nigeria Ikorodu signal at 0625 UT on Feb 20, and neighbour Belarus Radio form Minsk-Kalodzicy on even 7255.0 kHz (Wolfgang B\_schel, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

7254.938, Voice of Nigeria Ikorodu in French, slight morning fade-out

here in southern Germany, male announcer program at 0702 UT Feb 21.  
S=7-8 fade out. 73 wb (Wolfgang B.schel, Stuttgart, Germany, [selected  
SDR options, span 12.5 kHz RBW 15.3 Hertz] BC-DX TopNews Feb 21 via  
DXLD)

7254.94, Feb 21 at 0708 VON in French at S9+10 but undermodulated, so  
it has stayed on today, unlike Feb 19 when it dumped off at 0659\*  
(Glenn Hauser, OK, DX LISTENING DIGEST)

Poor reception of Voice of Nigeria on 15120 Feb 21-22  
till 1545 on 15120.0 IKO 250 kW / 007 deg to NoAf French & off, Feb 21  
till 1530 on 15120.0 IKO 250 kW / 007 deg to NoAf English, February 22  
from 1530 on 15120.0 IKO 250 kW / 007 deg to NoAf French, February 22:  
<http://swldxbulgaria.blogspot.bg/2016/02/poor-reception-of-voice-of-nigeria-on.html>  
-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* NIGERIA. ONE WEEK WITH VOICE OF NIGERIA, LAGOS (LOG FEB 18-23)

Irregular transmissions from Voice of Nigeria Lagos continue between  
0900 and 1800, while transmission of Voice of Nigeria Abuja from 0600-  
0900 and 1800-2100 seem to be more or less regular. Last week I had to  
check the channels more or less regularly at daytime, so I can give a  
good impression, I think, about how irregular transmissions were. For  
Feb 14+15 see last week's DXLD, on Feb 16+17 I haven't heard them. But  
read the following report to see them struggling on and on with a  
transmitter that seemingly doesn't really want to broadcast, or at  
least not before getting a proper cure for his aches and pains, or a  
bribe :-). Of course, I have certainly not observed every broadcast,  
and I can't tell if this transmitter was also active on 7255 or  
somewhere else at times, but obviously they intend to broadcast on  
9690, 11770 and 15120 with certain services at certain times:

Feb. 18: Not heard for the announced daytime English/French  
transmissions on 9690 or 15120, but from 1600 on 11770: 1600 dead air,  
only the whine, visible on Twente SDR waterfall as strong, irregular  
lines +/- 2,3 kHz and several others weaker. 1603 into kiswaheli, 1606  
break, ca. 1615 back and after 1630 in presumed Yoruba with segments  
of English during interviews. Strong signal, strong whine. Same  
transmitter was, for a change, on 9690 again at 1730 for Arabic, but  
only for a short while.

Feb. 19: Tentatively it was them signing on at 0900 on 9690, but  
signal wasn't strong enough to follow it during the QRM afternoon.  
Switching on and off 9690 after 1600 without Kiswaheli programme, back  
on 11770 for arabic after 1730.

Feb. 20: Certainly there on 9690 with English from 0900, afternoon



recheck brought a nice signal with French programme on 15120 until 1558, untraced on 9690 for Kiswaheli because of REE Spanish football coverage, but again on 11770 for arabic after 1730. Almost full scheduled service, it seems!?

Feb. 21: No time to check in the morning, but unheard at 1300 or 1400 (not tried later), traced only for Arabic service on 11770, signing on a few minutes late.

Feb. 22: No trace of the whining transmitter on 9690, 11770 or 15120 at 0900, 1000, 1200 and 1430 - but it was on 15120 at 1500 recheck, music only and a strong whine. Just a minute or so later transmission cut off... Caught again at next check around 1730 with open carrier on 11770. Off at 1734. NB: 15120-DRM from Abuja was already on air at 1746.

Feb 23: First check at 1200 but without positive result, but I guess the carrier around 1300 on 9690 was VON, nothing else scheduled. Not heard at 1400, 1500 or 1530 on 15120 (if it was on 9690 I likely wouldn't have traced because of presumably much stronger CRI 1500-1600). But characteristic carrier with strong whine at 1540 on 15120 signing on and off. The whine seems to build up some seconds after sign-on taking a little while to grow up to full atrocity. Nothing on 9690 after 1600, nothing after 1730 on 11770, and of course, vice versa or on 15120.

73 (Thorsten Hallmann, Münster, Germany,  
<http://www.muenster.org/uwz/ms-alt/africalist>  
Feb 24, dxldyg via DX LISTENING DIGEST)

\*\* NORTH AMERICA. 6915 AM, UNID USA Pirate, Feb/19/16 2014 UT, EE, GOOD S-6 Signal, Rock Music at 2014-2019 tune In. More music at 2019-22 "Mighty Quinn". More music 2022-2027 "Just a Singer in a RnRoll Band" by Moody Blues. Male DJ spoke at 2027 but couldn't pull any IDs out of it??? RECEIVER ELAD FDM-S2 SDR, ANTENNA WELLBROOK ALA-1530 LNP Imperium Loop. 73 ROB VA3SW (Robert S. Ross, London, Ontario, CANADA ODXA yg via DXLD)

THIS IS NOTABLE in that the pirate must have Overcome WRMIBS which is now 24h on 6915. Standard inquiry: how does Rob know this was in USA, not Canada, which is why we file these under North America, a standard ploy of other Canadians forced to acknowledge the existence of a bigger neighbour that can't be excluded; while most Americans don't bother to reciprocate (Glenn Hauser, DXLD)

\*\* NORTH AMERICA. 6950, PIRATE (No. Am.), Poncho Villa, 0501, Feb. 20. tune in with IDs spoofs about Pee Wee Herman, Glenn Hauser, Jay Smiltstein [sic] etc. ID as relay from KULP at 0511 then off.

Extremely good signal (Mick Delmage, Sherwood Park AB, Collins HF 2050 with KLM 7-30 MHz Log Periodic; Perseus SDR with Wellbrook Loop antenna, NASWA Flashsheet Feb 21 via DXLD)

This was the annual appearance from/for the SWL Winterfest (gh)

\*\* OKLAHOMA [and non]. 1020, Feb 19 at 0141 UT, praise music in Spanish owns frequency, i.e. 50 kW KCKN Roswell NM still not nulling toward KDKA; but there is also a heavy SAH of 2.5 Hz, with DF fitting for my semi-local KOKP Perry OK. I conclude that KOKP is in dead air instead of Triple-Play Sports.

Listening further, I hear a weak country(?) music station which seems to be close to the KOKP direxion. Not that many 1020s in the USA, and format unmatched any of them, near or far, in NRC AM Log. DF is no good for Mexico either. Maybe it was really one of the three Cubans in WRTN (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* OKLAHOMA. 1210, Feb 18 at 1311 UT, just CCI without KGYN; by 1313 UT maybe it's some country music in the mix. KGYN Guymon has been behaving itself lately, not a bigsig at night either so protecting Philadelphia, but I wonder if it's even ND 10 kW in the daytime? At 1858 UT on the PL-880 it's there but JBA. Feb SR/SS times are 1330-0030 UT (March: 1300-0045 UT). If their 50/10 kW CP is ever built, also calls for 39 kW during Critical Hours.

1210, Feb 20 at 1750 UT on caradio, very poor signal from KGYN Guymon on groundwave. IIRC it used to be better, so continue to suspect something is amiss, like power lowered from 10 kW, or sticking to night pattern in day, nulling toward Philadelphia and us; it used to be the other way round, ND day pattern at night, when I don't hear much from it either now (Glenn Hauser, Enid, DX LISTENING DIGEST)

\*\* OKLAHOMA. 88.3 FM, Feb 20 at 1750 UT check and for a while now, K202BY Enid is off the air again and has been for a few days, the Family Radio satellator, so might as well feed the BST-1 into the caradio here instead of 88.1 where there are somethings to be heard.

92.1, Feb 20 at 1750 UT check, KAMG-LP Enid has finally fixed its modulation after weeks of unlistenable distortion. Unfortunately, altho it started out at a local ``Amigo`` church, all it transmits is praise music and preaching in Spanish off some satellite, not exactly what LPFM was designed for (Glenn Hauser, Enid, DX LISTENING DIGEST)

\*\* OKLAHOMA. The last week or more, I've had a hard time getting a fully quiet, let alone stereo signal from our only classical music station, 90.1 KUCO Edmond/OKC, on caradio or portable homeradios. Perhaps this explain it from their homepage which has never called

itself a .org, <http://www.kucofm.com>

``A Note from the General Manager --- Dear Friends, Ice and earthquakes. These have been the bane of our existence over the last couple of months. When ice covers the antenna (ice can form at the antenna level, 800 feet above the ground, even when the air remains above freezing at the ground) it becomes necessary to cut transmission power to keep from damaging the transmitter. Last Thanksgiving we had to cut power to 5% and wait for the ice to melt. When the ice did melt, it fell downward as rods and shattered most of the beacons and marker lights on both our campus and Oklahoma City towers. We had both re-lamped. A second round of ice shattered some of the newly replaced lamps on the big tower. Re-lamp again.

Then there were two earthquakes in the course of one week. These quakes cut off power to the UCO campus. We have temporary backup power to the studios, but the outages lasted longer than our power could hold, so we were off-air a couple of early mornings.

Thank you for your patience during these unexpected and unavoidable situations. Your contributions enable us to keep our physical plant operating in spite of what nature throws at us. Sincerely, Bradford Ferguson, General Manager``

That's what we find on UT Feb 21 {& 28}, and may have been up for a while but these notes are always undated so hard to know how current they are. Enid is once again in the unfortunate position of being too close to OKC for stations to justify a translator or any kind of relay, yet too far for a city-grade signal; nor do we have any local public radio service (Glenn Hauser, Enid, DX LISTENING DIGEST)

\*\* OKLAHOMA. 91.7, Feb 18 at 1645 UT, KOSU during 'On Point' from NPR is rudely interrupted by tone signals and incomprehensible emergency message, I think about a possible child abduction (Amber alert). The audio is terrible, mixed with several other sources in background, as these things are relayed over and over from one station to another, a terribly dysfunctional system. A cable TV channel (or probably all of them) also interrupted for this, but the text had finished scrolling before I could read it (Glenn Hauser, Enid, DX LISTENING DIGEST)

\*\* OKLAHOMA. Doug Smith replies to my January comments about Enid TV:

``K17JN-D, RF 17, Enid, continues to regale us with six channels at once of Three Angels Broadcasting Network, 3ABN, Seventh Day Adventism --- and other than someone running across it when rescanning for DTV channels, I bet I'm the only one in Enid who knows about this, due to absolutely no publicity in local media. I've had a closer look at some of the lower-right bugs, hard to decipher due to font on SD at least,

to make out what the PSIP sub-IDs stand for, and find:

17-2, 3ABN-PR means Proclaim!

17-3, 3ABN-DD means Dare to Dream

Per <http://3abn.org/networks/> they have several more networks than the six we get; can't K17JN-D squeeze them in too? About::``

Interesting: which one don't you get?

According to Trip's [rabbitears.info](http://rabbitears.info), most 3ABN stations carry:

x.1	3Abn
x.2	3Abn Proclaim
x.3	Dare to Dream
x.4	3Abn Latino
x.5	3Abn Radio
x.6	3Abn Latino Radio
x.7	Radio 74

They have a station in Nashville -- which only carries the main 3Abn network, because it's still operating in analog!

``K19IR-D OK ENID LD LIC; licensee: EICB-TV EAST, LLC, For 0.5 kW, but CP for 15 kW, like K17JN, but at different site``

EICB = "Excellence in Christian Broadcasting", from Texas.

``And a NEW app for 1000 kW! on channel 21:

NEW OK ENID APP, Licensee: COMMUNITY TELEVISION EDUCATORS

which sounds like another gospel-huxter front``

Runs six full-power TBN stations in Florida and Texas. I would be pretty sure this application is dead; all pending new-station applications were cancelled at the end of analog.

``Three more from one company:

K36MV-D OK ENID LD CP Licensee: DTV AMERICA CORPORATION, 5 kW

K42LL-D OK ENID LD LIC Licensee: DTV AMERICA CORPORATION, 7 kW, CP 15

KUOC-LD OK ENID LD LIC Licensee: DTV AMERICA CORPORATION, ch 48,

Licensed for 3 kW, CP for 10 kW``

Owners of a bunch of LPTVs running various so-called "subchannel networks". We have one here, WKUW-LD channel 40. It carries Buzzr (old game shows) on 40.1 and Liquidation Channel (home shopping) on 40.2. Wikipedia says Escape on 40.3 but right now there is no 40.3.

Wikipedia claims KUOC is on the air with DrTV ("health" infomercials). (Doug Smith, near Nashville TN, W9WI, WTFDA Forum via DXLD) NEVER (gh)

\*\* OMAN. 9540.002, Radio Sultanate Oman, English domestic ? service relay, male presenter talk and pop mx, culture inn Oman, time announcement at 0321 UT as "21 minutes past 7'o'clock", then movies and prosperities program, interview to Mr. George Clooney...". 73 wb (Wolfgang B,schel, Germany, Feb 23, dxldyg via DX LISTENING DIGEST)

\*\* PAPUA NEW GUINEA. 3260, NBC Madang, 1205\*, Feb 21. Slightly above threshold level in Tok Pisin/Pidgin.

3260, NBC Madang off the air at 1155 tune in and subsequent checking on Feb 22 (Ron Howard, San Francisco at Ocean Beach, CA, EtÛn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST) See also BOUGAINVILLE

\*\* PAPUA NEW GUINEA [and non]. 7325-, Feb 18 at 1410, JBA carrier slightly on lo side as characteristic of Wantok Radio Light, but seems another carrier on 7325.0. Hope CRI isn't back on during what had been a window; then some ``running water``, so the CCI may be from MARS or something instead (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* PERU. 5980, Feb 19 at 0105, two very poor carriers from R. Chaski and BBC/UAE, amid the splash from 5985 WRMIBS. I detect the stronger carrier going off at 0106:58\*, which is 45 seconds later than 0106:13\* on Feb 12, last catch seven nights ago, averaging 6.4 seconds later per, still on track (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* RUSSIA. Very weak signal of Local Radio Voronezh via Comintern Radio: from 1215 on 6989.9 VOR 001 kW / non-dir to EaEu Russian, February 19  
<http://swldxbulgaria.blogspot.com/2016/02/very-weak-signal-of-local-radio.html>  
(Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* RUSSIA. Republic of Adygea. -----

Mike Tim [? Maybe refers to Mikhail Timofeyev?]

... After closing, a few years ago, Russia's foreign broadcasting (Voice of Russia) and off last shortwave domestic broadcast transmitters (Radio of Russii, including - in Tulagino) in this range, continued its work of a single transmitter, broadcasting a program of the Adygeya radio (GTRK "Adygea") in the amount of three hours per week for compatriots abroad on Circassian, Turkish and Arabic.

Current schedule of his work: 2100-2200 Moscow time (1800-1900 UT) on Mondays and Fridays, 2200-2300 Moscow time (1900-2000 UT) on Sunday at a frequency of 6000 kHz exactly (in the range of 49 meters) over 100 kW transmitter of the Kuban branch of the radio center RTRS "Krasnodar

KRTPTS" in the Tbilisi district of the region. Link to the archive of programs online broadcaster:

[http://www.adygtv.ru/programs/radio-inoveshchanie/bro ..](http://www.adygtv.ru/programs/radio-inoveshchanie/bro..)

("VKontakte" group "DX-ing - Far radio reception" Group Editor: Vladimir Yemelyanov, Samara, Russia.).

The Republic of Sakha (Yakutia)

-----  
In Yakutia, a powerful resume broadcasting

One of the most common questions posed by the inhabitants of the northern regions of the republic at the time of the Report of the Republic of Sakha (Yakutia) - a powerful renewal of broadcasting, at the time covering the entire territory of the republic. So, over the years distant broadcasting public radio stations in our country has been almost completely phased out. In all these cases the reason for the far off broadcasting was a reduction of public funding, to represent the company VGTRK for this purpose. The country found a solution to the issue of broadcasting on the territory of the Arctic and northern regions of Yakutia.

Recall that in 2011, RTR was decided to terminate the radio broadcast of "Radio Russii" in the range of short and long waves. Further more RTR took a number of decisions that led to the cessation of broadcasting radio "Mayak". Thus, on the whole territory of the Russian Federation ceased broadcasting in LW, MW and SW.

"This is the most affected Indigenous Peoples of the North, leading a traditional nomadic way of life, as well as professional hunters, fishermen, agricultural workers, and many others, that, in fact, deprived them of one of the main sources of information. Today on the territory of Yakutia is being broadcast radio in the FM-band. This technology is based on the principle of high-quality broadcast radio signal within the boundaries of settlements. By virtue of geographic specificity, in vast areas of our country it is impossible to catch the signal, except for foreign radio stations. Because, despite the lower quality broadcasting, HF broadcasting as we demand ", - said the Minister of Communications and Information Technologies of the Republic of Sakha (Yakutia) Alexander Borisov.

To resume powerful broadcasting in the Arctic and northern regions of the republic, it is planned to use short-wave transmitters "Grom-100i ("Thunder-100") and iViyuga - 250i ("Blizzard-250"), one of the most powerful in the north-east of Russia, earlier broadcasts of "Radio Russii". To do this, you must transfer them to the new frequency, receiving the corresponding license for the use of radio frequency channels, as well as to receive a broadcast license for NBC "Sakha",

and most importantly, resolve all financial issues.

Transmitters located in the suburbs of Yakutsk (p. Tulagino) belong to Federal State Unitary Enterprise "Russian Television and Radio Broadcasting Network", and are in conservation. The company is currently engaged in registration of a license to operate in the field of communication services and permits for use of radio frequencies by means of radio transmitters "Grom-100î and iViyuga - 250î.

Broadcasting will be engaged in "Sakha" NEC with 10-hour broadcasting grid. At the meeting of the tender committee of the Federal Radio and Television, which was held in Roskomnadzor Russian Federation in Moscow on 27 January this year, a positive decision on this issue. Interests Yakutia before the Commission was represented by the Minister of Communications and Information Technologies of the Republic of Sakha (Yakutia) Alexander Borisov and CEO of NBC "Sakha" Ivan Androssov.

Upon receipt of all licenses and permits will be renewed in Yakutia powerful radio transmitters and "Grom-100î

and iViyuga - 250î work in full force. In the zone of the radio broadcast will include 27 districts of the country, including 13 of the Arctic and northern regions. The area of ??coverage will be 2,440 square kilometers, accounting for 78% of the total area of ??the country. Thus, in the second half of 2016 most of the republic will be able to listen to radio broadcasts of NBC "Sakha" in the villages, the forest, on the road, and even reindeer pastures, the press service of the Ministry of Communications of Yakutia.

([www.dxing.ru](http://www.dxing.ru) / <http://www.sakha.gov.ru/news/front/view/id/2608127> )  
(RusDX Feb 21 via DXLD)

\*\* SAINT KITTS & NEVIS. I have checked the Jim Bakker show a couple times since I last wrote you. I have seen no other reports on the alleged SW station. Only reminders every show to join the radio club for twenty-five dollars. Have no idea how long it will take them to buy a transmitter at that rate. Also don't know how well an AM stick will work as an antenna either (John Carver, Mid-North Indiana, Feb 23, DX LISTENING DIGEST)

\*\* SARAWAK [non]. Hi Glenn, Lengthy article about Clare Rewcastle Brown, owner of Radio Free Sarawak at <http://goo.gl/SjsKSe>  
(Ron Howard, San Francisco, Feb 23, dxldyg via WORLD OF RADIO 1814, DXLD) Viz.:

DAUGHTER OF EX-SPECIAL BRANCH CHIEF EXPOSES 'DICTATOR' NAJIB'S

## SCANDALS --- Written by International Business Times

Clare Rewcastle Brown is public enemy number one of the Malaysian state. But she isn't bothered. The investigative journalist just laughs at the irony. Her father was head of special branch in what is Malaysia today when it was still a British colony. Now his daughter is their prime target.

From London, Brown, 56, runs two independent news outlets focused on exposing political and financial corruption in Malaysia. Sarawak Report is a blog and Radio Free Sarawak broadcasts on the south-east Asian airwaves. After a career as a BBC and ITV journalist, and her children having grown older, she had more free time. So she founded these two outlets, first the blog then the radio station. But why Sarawak, a Malaysian state on the island of Borneo? That's where Brown was born and spent her early childhood before moving out of the region, aged eight.

She is now the focus of smear campaigns, arrest warrants, and email hacking by the Malaysian authorities after her relentless campaign of exposés of the 1MDB scandal, a swamp of corruption and fraud allegations swallowing Prime Minister Najib Razak, PetroSaudi, Abu Dhabi, billionaire Malaysian financier Jho Low, Goldman Sachs, and the Queen of England's bank Coutts, among others. All parties involved deny any wrongdoing and reject allegations of fraud and corruption...

Full article [much more, illustrated]:

[http://www.malaysia-chronicle.com/index.php?option=com\\_k2&view=item&id=611375:daughter-of-ex-special-branch-chief-exposes-dictator-najibs-scandals&Itemid=2#ixzz416uqRjUQ](http://www.malaysia-chronicle.com/index.php?option=com_k2&view=item&id=611375:daughter-of-ex-special-branch-chief-exposes-dictator-najibs-scandals&Itemid=2#ixzz416uqRjUQ)

[http://www.malaysia-chronicle.com/index.php?option=com\\_k2&view=item&id=611375:daughter-of-ex-special-branch-chief-exposes-dictator-najibs-scandals&Itemid=2#axzz410fjfHWu](http://www.malaysia-chronicle.com/index.php?option=com_k2&view=item&id=611375:daughter-of-ex-special-branch-chief-exposes-dictator-najibs-scandals&Itemid=2#axzz410fjfHWu)

THIS IS A MUCH BIGGER STORY THAN JUST SARAWAK  
(Glenn Hauser, WORLD OF RADIO 1814, DXLD)

\*\* SOLOMON ISLANDS [non-log]. 5020 & 9545, SIBC. Both Feb 21 & 22 did not hear any sign of a carrier from SIBC from about 1145 through subsequent checking. Anyone hearing them now?

[non-log]. 5020 & 9545, SIBC. Feb 23 at 1145 and subsequent checking again found no carrier.

Hiroyuki Komatsubara (Japan) confirms with this today:  
"1120 - 5020/9545 kHz Solomon No signal" (Ron Howard, San Francisco at



Ocean Beach, CA, Etûn E1, antenna: 100' long wire, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST) But back on both testing later (gh)

\*\* SOUTH AFRICA. 15420.064, Feb 22 at 1524, S7 station in English, presumed BBCWS via UAE, a site known for its off-frequenciness ñ but no! Registered as Meyerton, 15-18, 100 kW at 20 degrees. You'd think BaBcoCk would insist on better treatment. At least there is nothing on 15420.000 to het it except my BF0. 1600 all I can copy is a BBC-style timesignal. Remember that WBCQ is still registered for 15420 any time between 15 and 23 but hasn't tried to use it for a couple years (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* SOUTH CAROLINA [non]. SECRETLAND, Brother HySTAIRical via SPL Secrethrod [BULGARIA], February 24:  
1500-1700 on 11600 SCB 100 kW / 090 deg to WeAs English, confirmed  
1600-1800 on 15600 SCB 050 kW / 126 deg to N/ME English, confirmed  
1900-2300 on 5900 SCB 050 kW / 306 deg to WeEu English, confirmed  
2000-2100 on 9465 SCB 050 kW / 195 deg to WeAf English, x til 2200  
2000-2200 on 9500 SCB 100 kW / 306 deg to ENAm English, confirmed  
<http://swldxbulgaria.blogspot.com/2016/02/brother-hystairical-via-spl-secrethrod.html>  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* SPAIN. [Re A-16 plans] Hola Pedro, No era 17775 sino 17755 por REE. Si aparece en 17775 encontrar a KVOH antes de las 19. La frecuencia que esperamos en Norteamérica durante el verano es la de 17855 en vez de 9690, que no funciona por la mañana nuestra. 73, (Guillermo Glenn Hauser, to Pedro Sedano, AER, via DXLD)

Hola, Muchas gracias por tu correo. Haremos llegar tus sugerencias a la dirección de REE para que las tengan en cuenta. Un saludo cordial desde Madrid. Enviado desde mi iPad2 (Pedro Sedano, Madrid, España, DX LISTENING DIGEST)

\*\* SRI LANKA. 11905, Feb 20 at \*0114:14.5, SLBC carrier cuts on, 0114:45.5 standard music prÉlude, mis-timesignal (only 2 pips heard) ending at 0115:16.5, sign-on in Hindi. Very poor S4 signal (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* SRI LANKA. Iranawila off --- The IBB Sri Lanka relay lost power on Feb 21. Any scheduled broadcasts on SL frequencies will be substitute sites until restored. [later:] Restored early UT Feb 24 (Glenn Hauser, WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* SUDAN [and non]. 15550, Feb 24 at 1530, JBA carrier here, much weaker than 15545 R. Dabanga via VATICAN. Evidently the Sudanese jammer \*still\* hasn't caught on that Dabanga shifted to 15545 weeks ago (and which still hasn't got around to registering that change with

HFCC), with nothing else listed on 15550 (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* THAILAND. 13745, Feb 20 at 0046, very poor S6 signal with heavy flutter, presumed R. Thailand, North American service in English. It's never really useable here in deep NAM, but I'm checking since a Pennsylvanian recently reported this on 13750, where I hear nothing.

Perhaps his bandwidth setting was too wide? Or a one-off experiment from IBB Udorn? It would certainly be a good idea to distance itself from 13740 Cuba! But that would make too much sense. Making even more sense would be for HSK9 to insist on access to IBB Greenville which has plenty of spare transmitter capacity! (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* TIBET [non].

TAJIKISTAN/MADAGASCAR [+ CHN mainland] Voice of Tibet observed Febr 23

1200-1213 15537 DB 100 kW 95 deg to EaAS Chinese, 15535 CNR1 jamming  
1214-1230 15543 DB 100 kW 95 deg to EaAS Chinese, 15540 CNR1 jamming

1230-1237 15567 DB 100 kW 131 deg to CeAS Tibetan, 15570 CNR1 jamming  
1238-1259:53 15573 DB 100 kW 131 deg to CeAS Tibetan, 15575 CNR1 jamming

1300-1308 13582 DB 100 kW 131 deg to CeAS Tibetan, ex-11512 kHz.  
1309-1329:05 13583 DB 100 kW 131 deg to CeAS Tibetan, ex-11512 kHz.  
No CNR1 jamming visible til 1306 UT on Febr 23, but afterwards CNR1 jamming appeared on 13580 kHz channel.

1300-1317 12002\*DB 100 kW 95 deg to EaAS Chinese, 12005 CNR1 jamming.  
At 12.05 UT, CNR1 jammer stn switched OFF for 10 seconds,  
in order to check/monitor VoT 12002 kHz service ?

1317-1330 11997 DB 100 kW 95 deg to EaAS Chinese, 12005 CNR1 jamming.  
1330-1338 11997 DB 100 kW 95 deg to EaAS Chinese, 12005 CNR1 jamming.  
1338-1400 11992 DB 100 kW 95 deg to EaAS Chinese,  
China STILL !! on far away 12005 kHz channel carrying CNR1 jamming.

1329:35-1400 11513 DB 100 kW 131 deg to CeAS Tibetan. CNR1 jamming on 11510 kHz came on air visible from 1332:52 UT as carrier only! and 5 seconds later as CNR1 domestic service relay audio program.

11510 kHz Jamming stopped exact 1400 UT, but Voice of Tibet rent fq 11513 kHz was still kept on air till start of Tibetan program at

1402:03-1405:20 11513 DB 100 kW 131 deg to CeAS Tibetan, no jamming observed til 1405 UT on Febr 23, then VoT Dushanbe hopped to:

1405:20-1430:37 11518 DB 100 kW 131 deg to CeAS Tibetan, and CNR jammer has been appeared STILL on lower side 11510 kHz. VoT TX cut off at 1430:37 UT on Febr 23.

1400-1407 15565 MDC 250 kW 45 deg to CeAS Tibetan  
1407-1428:08 15570 MDC 250 kW 45 deg to CeAS Tibetan  
CNR1 jamming KEPT still on 15565 kHz on Febr 23 til 1430:03 UT switch off.

\* QRM from Radio Farda nominal 12005 via Biblis-Germany, and CNR1 jamming too. [selected SDR options, span 12.5 kHz RBW 15.3 Hertz]  
(Wolfgang B,schel, wwdxc BC-DX TopNews Feb 23, dxldyg via DX LISTENING DIGEST)

11518, Feb 23 at 1428, JBA carrier, trace of modulation? No jamming audible from 11515 or 11520. No doubt this is V. of Tibet via TAJIKISTAN on one of its off-frequencies. Wolfgang B,schel was monitoring one after another today from 1200 on the 15, 13, 12, 11 MHz bands concluding during this time:

``1402:03-1405:20 11513 DB 100 kW 131 deg to CeAS Tibetan, no jamming observed til 1405 UT on Febr 23, then VoT Dushanbe hopped to 1405:20-1430:37 11518 DB 100 kW 131 deg to CeAS Tibetan, and CNR jammer has been appeared STILL on lower side 11510 kHz. VoT TX cut off at 14.30:37 UT on Febr 23`` (Glenn Hauser, OK, DX LISTENING DIGEST)

7603, VoT, 2316 Feb 19 with talks in Tibetan, S6, QRM from CNR jammer on 7600, S6 (Zacharias Liangas, Thessaloniki, Greece, DX LISTENING DIGEST)

TAJIKISTAN, Frequency change of Voice of Tibet:

1215-1230	NF	15543	DB	100 kW / 095 deg to EaAs Chinese, ex 15532
1230-1245	NF	15567	DB	100 kW / 131 deg to CeAs Tibetan, ex 15568
1245-1300	NF	15573	DB	100 kW / 131 deg to CeAs Tibetan, ex 15567
1300-1315	NF	12002	DB	100 kW / 095 deg to EaAs Chinese, ex 12007
1315-1330	NF	11997	DB	100 kW / 095 deg to EaAs Chinese, ex 12008
1315-1330	NF	13583	DB	100 kW / 131 deg to CeAs Tibetan, ex 13582
1330-1345	NF	11997	DB	100 kW / 095 deg to EaAs Chinese, ex 12013
1330-1345	NF	11513	DB	100 kW / 131 deg to CeAs Tibetan, ex 11512
1345-1400	NF	11992	DB	100 kW / 095 deg to EaAs Chinese, ex 12013
1345-1400	NF	11513	DB	100 kW / 131 deg to CeAs Tibetan, ex 11512
1400-1415	NF	11513	DB	100 kW / 131 deg to CeAs Tibetan, ex 11512
1415-1430	NF	11518	DB	100 kW / 131 deg to CeAs Tibetan, ex 11507

<http://swldxbulgaria.blogspot.bg/2016/02/frequency-changes-of-voice-of-tibet.html>  
(DX RE MIX NEWS #940 from Georgi Bancov and Ivo Ivanov, Feb 22, 2016, via DXLD)

\*\* TURKEY. 9700, Feb 18 at 0453, propagation disturbance has wiped out

most of TRT signal to S3 in noise level so I can't reInjoy the rediscovered traditional IS preceding Turkish service (9955 WRMI is only S5 and Brazil 11780 only S3) (Glenn Hauser, OK DX LISTENING DIGEST)

\*\* UGANDA [non]. A new opposition station has sprung up just before the presidential elections, Uganda Diaspora P10 Radio. ``Their objective seems to be the prevention of vote rigging, as well as victory for Mr Besigye and his FDC (Forum for Democratic Change).``

(It doesn't look good for Kizza Besigye; see:

#### OPPOSITION LEADER ARRESTED AS UGANDA HOLDS ELECTIONS

Kizza Besigya arrested by police just before the end of the voting, which President Museveni is expected to win. . .

<http://www.aljazeera.com/news/2016/02/ugandans-vote-museveni-seeks-extend-30-year-rule-160218044525608.html>

Results are not expected until Saturday Feb 20. But all this might prolong the opposition radio if they have enough resources. BTW, VOA was patting itself on back for one of their correspondents previously moderating a candidates' debate.)

Besides a daily broadcast at 1630-1700 on 15405, Uganda Diaspora Radio were to run specials on Feb 18 election day, according to Patrick Robic on the A-DX list via Eike Bierwirth, DXLD yg:

03-06 9490, 09-11 & 13-16 17840, 16-19 15880 [sic]. See

<https://www.ugandadiasporap10.org/>

<https://www.ugandadiasporap10.org/uganda-diaspora-radio/>

A different frequency for the morning broadcast 03-06, 9685 according to Mauno Ritola, WRTH Facebook via Alan Pennington, BDXC-UK yg; also 15680 instead of 15880 at 16-19, so someone's typo? And 9685 would also be added the next morning Feb 19 at 04-06.

So I check both, Feb 18 at 0340: 9490, nothing but jamming and maybe R. Republica; 9685 open except for occasional ute(?) noises. Not using 9490 would certainly be a good idea due to the Cuban radio war. At 0453, 9490 jamming has diminished to pulsing and bubbling, and still nothing audible on 9685.

Listeners in Europe or via SDRs were hearing the 17840 broadcasts on Feb 18, but at 1451 for me direct, it's a JBA carrier (Saudi 17615 and 17705 are very poor, e.g.) I recheck 17840 at 1555 and now I hear a W & M conversation in English with musical background, referring to ringing loud bells, and neat and combed hair. Hmmm. Poor signal and cut off abruptly a few seconds before 1559\*, typical MBR behavior.

Further chex: nothing on 15405 at 1630 as maybe the daily broadcast has been skipped today because of the special supposed to be on 15880 or 15680 after 1600 --- nothing there nor on 17840 either. Then Manuel MÈndez in Spain reports hearing this on 15680. So at 1750 I try all of them, with zero results: 15405, 15680, 15880, 17840.

Speculation is that site could be MBR via Nauen or Trincomalee, as there was a mis-switch for a while to AWR programming in Hindi at 1532 per Richard Langley and Manuel MÈndez! I don't think I would be getting Sri Lanka on 17840 before 1600 (nor would they sensibly transmit from there around local midnite on 16m), but could be Germany, or France. Ivo Ivanov agrees the site is ``unknown, probably MBR`` with 9685, 15405, 17840 and 15680 the correct frequencies (Glenn Hauser, OK, WORLD OF RADIO 1813, DX LISTENING DIGEST)

Further chex: nothing on 15405 at 1630 as maybe the daily broadcast has been skipped today because of the special supposed to be on 15880 or 15680 after 1600 --- nothing there nor on 17840 either.

Then Manuel MÈndez in Spain reports hearing this on 15680. So at 1750 I try all of them, with zero results: 15405, 15680, 15880, 17840 (Glenn Hauser, DX LISTENING DIGEST)

I heard them on 15680 kHz from 1600 UT till s/off 1900. This from P10 group spokesperson:

"To assure Ugandans of our activities, we have been testing a radio broadcast on the Short Wave Radio at 18m and 31m band. Further Broadcasting will happen on Feb 17, 18, 19 and 20th to support the activities of the P10 on the ground and we shall be relaying election results live.

Ugandans should be able to tune their radios on the shortwave 31m band to listen to directives and announcements. We are sure that the biased and highly politicised UCC will not be able to interfere with the Short wave radio broadcast." source:  
<https://minbane.wordpress.com/2016/02/11/httpwp-mep1xtjg-1w6/>

So, we can expect transmissions at least till Feb 20. Best signal (using a Logperiodic at QTH Goettingen) from direction South. 73 (Harald DL1ABJ Kuhl, Feb 18, DX LISTENING DIGEST)

Uganda, Tune in at 0914 on 17840, nice signal with vote instructions in English. Same was heard yesterday 1630 on 15405 (Jari Savolainen, Kuusankoski, Finland, Feb 18, dxldyg via DX LISTENING DIGEST)

From 1000 repeat 09-10 transmission, good signal in Sofia, Bulgaria -- 73! (Ivo Ivanov, Sony ICF-2001D 30 m. long wire, dxldyg via DXLD)

Good signal here since 1015 tune-in on 17840 kHz with talks in English about the Uganda elections. 73s (Dave Kenny, Caversham, Lowe HF225 / 25m long wire, Feb 18, BDXC-UK yg via DXLD)

Today Feb 18 only a poor signal here in NW England at 1030 UT on 17840, with occasional peaks to S-4 on the meter, down to nothing. A long dialogue by a man in English urging people to get out and vote. Music and song at 1047 with crowd noises in background (Noel R. Green, Blackpool, dxldyg via DX LISTENING DIGEST)

Fair signal here at 1030 UT on 17840 kHz. It was very strong yesterday evening around 1630 on 15405 kHz. Anyone know where is the transmitter, Babcock? (Christian Ghibaudo, Nice, France, BDXC-UK yg via DXLD)

Up to 9+15dB on a Logperiodic here in central Germany. Best signal when pointing the antenna to direction south. I think it was the same 60 minutes programme in vernacular and English, broadcast twice from 0900 UT and from 1000 UT. 73 (Harald Kuhl, BDXC-UK yg via DXLD)

Then you would be getting backscatter from site in Germany or France (Glenn Hauser, DX LISTENING DIGEST)

Checked at 0945 here in S/E Massachusetts but no signal heard. Nothing detected on Perseus screen either. I also checked just after 0300 on 9685 but again nothing was heard. I am not sure where this is coming from but nothing off the back making it to the east coast US (Stephen C Wood, Harwich, Mass., dxldyg via DX LISTENING DIGEST)

Nothing detected from the first broadcast at 0325 UT on 9490 kHz using the Twente receiver. Only Radio Rep'blica heard on this frequency. Also tried 9685 kHz a bit later. Again, nothing heard. Did this broadcast happen? Fair but noisy signal for the second broadcast on 17840 kHz. Recorded unattended using Twente receiver. Carrier came on around 0859 UT with audio beginning one minute later. Broadcast ran until 1100. Third broadcast, also on 17840 kHz, also provided a fair but noisy signal via Twente. Monitored live with carrier on at about 1255:55 and first audio at 1300:01 UT. Both English and indigenous languages used along with music selections. Do we have any guesses as to where the transmitter(s) are? Presumably European or at least European brokered? (Richard Langley, NB, dxldyg via DX LISTENING DIGEST)

Swahili + English -- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, 1331 UT, ibid.)

While Swahili has been a contentious second official language in

Uganda (after English), I wonder if this is the only local language being used in the broadcasts including music selections? Uganda has some 40 indigenous languages according to Wikipedia (Richard Langley, *ibid.*)

Went off at 1100 UT. Back on 17840 as scheduled now (for 3 hours until 1600). Fair strength signal on clear channel here despite poor conditions - opposition political speeches, etc., mainly in English, plus African songs. Sounds like a repeat of earlier broadcast? 73, (Alan Pennington, Caversham, UK, AOR 7030plus, ALA1530, BDXC-UK yg via DXLD)

Yes, I think they have a limited pool of content for their broadcasts 73 (Harald Kuhl, *ibid.*)

At about 1532 UT, 17840 kHz briefly switched to AWR Hindi broadcast before switching back to the Uganda program. Note that AWR, according to published schedules, uses Trincomalee and Nauen for the Hindi broadcast. So, perhaps Uganda Diaspora P10 Radio is not using a Babcock transmitter as speculated by Ivo (Richard Langley, *dxldyg* via DX LISTENING DIGEST)

At 1530 UT on 17840 there was short AWR sign-on ID (before reverting back to Uganda Diaspora Radio programming). Suggests transmitter site may be Nauen or Moosbrunn??

Still good signal on 17840 here (1540 UT). Scheduled to switch to 15680 at 1600 according to schedule and on-air announcements. UBC TV Twitter said voting extended to 7pm local (1600 UT) in some areas (voting was due end 4 pm local (1300 UT)). But all programming is recorded on Uganda Diaspora Radio. I wonder if UBC Radio will be on air today for the election (4976 kHz?) Not heard on air here ages. 73, (Alan Pennington, Caversham, UK, AOR 7030plus, ALA1530, BDXC-UK yg via DXLD)

17840 kHz at exactly 1530 UT changing to AWR IDs and start of program in Hindi, obviously a switching error at the transmitter site. 1634 [sic; means 1534] UT back to Uganda Diaspora P10 Radio program. 73 (Harald Kuhl, *ibid.*)

Correction: AWR (Hindi) 1530 scheduled via Nauen or Trincomalee (re WRTN 2016 - AWR Asia/pacific listed under Thailand) so switching error at one of these two sites? 17840 closed at 1659 [sic, means 1559?]. Now on 15680 (1600+) but suffering co-channel interference at first (from?). 73, (Alan Pennington, 1610 UT, *ibid.*)

Alan: "co-channel interference at first (from?)." QRM was again AWR programming; another switching error? 73 (Harald Kuhl, 1641 UT Feb 18,

ibid.)

For the 1600 UT broadcast, the station did not come up on 15880 kHz but rather 15680 kHz. The latter frequency was announced during one of the earlier broadcasts. Trouble is, there are two programs being broadcast on 15680 kHz: Uganda and one from AWR! (Richard Langley, NB, 1606 UT Feb 18, dxldyg via DX LISTENING DIGEST)

Audio fixed. Good signal via Twente. Best of the transmissions so far. (Richard Langley, 1619 UT, ibid.)

Heh, problems with audio feed. I briefly heard the AWR program and guess it was Bulgarian which is on 9830. 73, (Jari Savolainen, Finland, 1619 UT, ibid.)

Yes, at 1600-1610 UT on 15680 + AWR in Bulgarian, scheduled 1600-1630 on 9830 Nauen. Videos later today here:  
<http://swldxbulgaria.blogspot.bg/2016/02/special-station-for-uganda-elections.html>  
-- 73! (Ivo Ivanov, Sofia, Bulgaria, ibid.)

"Regular" program on 15405 kHz starting at about 1630 UT has a good signal via Twente (Richard Langley, NB, ibid.)

From 1630 UT 15405 is not // on 15680 -- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, ibid.)

Correct. Seems to have been a distinct 1/2-hour program in a series that apparently began a few days ago. Some of the audio may have been common with that in the special election-day broadcasts, however. ñ (Richard Langley, ibid.)

"UGANDA ELECTION: FACEBOOK AND WHATSAPP BLOCKED":  
<http://www.bbc.com/news/world-africa-35601220>  
But shortwave getting through? (Richard Langley, 1659 UT, ibid.)

UNKNOWN: 17840, Uganda Diaspora Radio, 1520-1533, 18-02, English, comments, advises about Uganda elections. At 1530 program of Adventist World Radio, identification in English and program in Hindi, but after few minutes, Uganda Diaspora Radio again. 44444.

15680, Uganda Diaspora Radio, 1718-1730, 18-02, English, instructions to vote in Uganda elections "Ugandan people vote in peace", vernacular music and songs. Very strong signal. 45444 (Manuel MÈndez, Lugo, Spain, Log in Lugo, dxldyg via DX LISTENING DIGEST)

Uganda Diaspora P10 Radio, all videos 0900-1900 UT, Feb 18. Poor signal after 1815:  
<http://swldxbulgaria.blogspot.bg/2016/02/special-station-for-uganda-elections.html>



-- 73! (Ivo Ivanov, B'lgariya, ibid.)

Special station for Uganda elections-Uganda Diaspora P10 Radio

0300-0600 9685 unknown tent BaBcoCk to CEAF Swahili/English, Feb 18

0400-0600 9685 unknown tent BaBcoCk to CEAF Swahili/English, Feb 19

0900-1100 17840 unknown tent BaBcoCk to CEAF Swahili/English, Feb 18

1300-1600 17840 unknown tent BaBcoCk to CEAF Swahili/English, Feb 18

1600-1900 15680 unknown tent BaBcoCk to CEAF Swahili/English, Feb 18

1630-1700 15405 unknown tent BaBcoCk to CEAF Swahili/English, Daily

More videos on 17840, 15680, 15405 will be added later today. Enjoy!

<http://swldxbulgaria.blogspot.bg/2016/02/special-station-for-uganda-elections.html>

73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Feb 17, dxldyg via DXLD)

Also heard Uganda Diaspora Radio with very strong signal on 17840 between 1458 and 1534 in English on Feb. 18: Man discussing about his school years as a boy, followed what appeared by a brief newscast at 1503 by man reporting about US statement on Ugandan killings during the campaign. Woman IDs station and advises voters to break the law and use their cellphones at polling stations to report irregularities. She asks them to post them on social media. Traditional music and songs throughout broadcast. At 1530, AWR ID, but Diapora Radio continues. 73s (Marty Delfin (Madrid, Spain), Eton 750 (telescopic antenna), Sent from Marty's iPad, ibid.)

Re Ugandan Diaspora P10 Radio: Harald Kuhl reports that they plan to continue at least until Feb 20, on the 18 and 31 m bands. ? Unclear whether they mean 16 or 19m instead of 18, and people aren't hearing the morning broadcast supposedly on 9685. So try 17840 before 1600, 15680 until 1900; or original 15405 at 1630-1700 (Glenn Hauser, OK, DX LISTENING DIGEST)

"And 9685 would also be added the next morning Feb 19 at 04-06."

Nothing heard here in New Brunswick nor via Twente between 0400 and 0415 UTC. Not even a weak carrier was detected.

Just to confirm: the daily 1/2-hour broadcast was heard (at least via Twente) on 18 February (Richard Langley, Feb 19, dxldyg via DX LISTENING DIGEST)

A check on 17840 at 1030 reveals no trace of the Ugandan transmission on Feb 19. Checked 15405 and 15680 just in case, but nothing there either (Noel R. Green (NW England) dxldyg via DX LISTENING DIGEST)

15405, Feb 19 at 1630, JBA carrier, presumably Ugandan Diaspora Radio, confirmed heard in English by Ste Cooper in England. Nothing heard on earlier frequency 17840 before 1600 by me or anyone, so that was apparently for election day Feb 18 only: an exercise in futility as the main opposition candidate, supported by this station, has been

arrested. But next frequency, 15680 is reported by several after 1700 today Feb 19, but a JBA carrier here at 1743 check (Glenn Hauser, OK, DX LISTENING DIGEST)

Strong signal of Uganda Diaspora P10 Radio, Feb 19  
1630-1700 on 15405 ISS 250 kW / 150 deg to CEAF English/Swahili/Music  
1700-1900 on 15680 unknown(ISS/NAU/TRM) to CEAF Eng/Swa, zero signal!  
<http://swldxbulgaria.blogspot.bg/2016/02/strong-signal-of-uganda-diaspora-p10.html>  
(Ivo Ivanov, B`lgariya, dxldyg via DX LISTENING DIGEST)

Ivo: What is the evidence that the daily UDP10R transmission comes from Issoudun? Thanks. (-- Richard Langley, NB, ibid.)

No signal from Uganda Diaspora P10 Radio on February 19  
0400-0600 on 9685 via MBR: ISS/NAU/TRM to CEAF Swa/Eng  
0900-1100 on 17840 via MBR: ISS/NAU/TRM to CEAF Swa/Eng  
1300-1600 on 17840 via MBR: ISS/NAU/TRM to CEAF Swa/Eng  
-- 73! (Ivo, ibid.)

Nothing heard on 15405 in North West England at 1600 or on Twente SDR.  
I see from BBC that Mr Besigye who the station supported has been arrested this afternoon too -  
<http://www.bbc.co.uk/news/world-africa-35612224>  
(Stephen Cooper, ibid.)

Sorry my mistake. Mis-read the schedule, will try again at 1630.  
Hearing Uganda now in English on 15405. The arrest of Besigye has just been covered on the BBC WS news on 12095 (Ste Cooper, ibid.)

Not 1600, from 1630 on 15405, strong signal here -- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, ibid.)

And the special election broadcast on 15680 kHz is on the air now (1708 UT) with a good signal with the Twente receiver. ñ (Richard Langley, Feb 19, ibid.)

Confirm 15680 at 1711 here in Finland. 73, (Jari Savolainen, ibid.)

15680 with fair signal into Montreal, Canada at 1720 UT. 73 (Gilles Letourneau, ibid.)

Fair to good signal here at 1717z tune in 2/19/16 on 15680, s4 to s5. Music into OM speaking in English "stand up and demand change..." and mentions of Uganda. 1726z sounds like a jammer maybe (whooping sound) - jammer (?) gone 1727z. OM in English still with mentions of Uganda and elections. Signal degrading now at 1729z but still there. Recorded if anyone interested (Rich Ray, Near Chicago, IL, Ten Tec RX340 and Wellbrook 330s, ibid.)

"1726z sounds like a jammer maybe (whooping sound) - jammer (?) gone 1727z." I think that was something in the studio (Richard Langley, ibid.)

Playing song right now at 1743 UT (Avijit MONDAL, Nadia, WB, INDIA, ibid.)

Uganda Diaspora P10 Radio was booming in here in Germany today (19feb2016) from 1630 till 1700 UT on 15405 kHz AM. Mostly Ugandan music with some announcements and short reports in English and vernacular. 73 (Harald Kuhl, DX LISTENING DIGEST)

Are we leaning towards Nauen as the transmitter(s) site for all of the UDP10R broadcasts? Estimate of powers used? I guess anything between 100 and 250 kW is possible. I noted that, via Twente, the signal from AWR in Oromo on 15155 kHz from Nauen is comparable in strength to the UDP10R signal (Richard Langley, dxldyg via DX LISTENING DIGEST)

I just scanned through some on-line tuners in Europe, before the Uganda station on 15680 kHz went off the air at 1858, and found poor reception. Likewise UTwente, when I checked, had poor reception which made me think it is not from Nauen.

I had been receiving it well here in Eastern Newfoundland with a strength and noise that reminds me of the afternoon Voice of Nigeria signals. I wonder if this station is an RFE/RL production (they did say "here in Munich" this afternoon), being transmitted via Kigali, Rwanda (Philip Hiscock, dxldyg via DX LISTENING DIGEST)

Philip, I must disagree with these conclusions. It is only 300 miles from Nauen to Twente, so a 15 MHz signal will be skipping over even if aimed that way which this would not be. (e.g. WWCN to Enid on 15825 is ~600 miles and is usually quite poor without sporadic E enhancement). And Kigali is decommissioned. Indeed, that would be too close to Uganda for 15, 17 MHz, only 215 miles to Entebbe. 73, (Glenn Hauser, ibid.)

Good point, Glenn, about the skip zone, and I see your point. Thanks for clarifying that for me. I don't understand why Nauen directed South to Uganda would be reaching me in Newfoundland with as strong a signal as the Uganda one did earlier (my) today. The back lobe would be quite a bit north of me, in northern Greenland or so.

On a Facebook discussion page today, it was suggested that Meyerton or the Madagascar site may be the source, since AWR and DW used them (and there \*was\* that slip-up with a false start of an AWR tape). The distance is certainly greater than from Germany to here, but a line

from Madagascar to Uganda would, with good conditions, continue almost straight to me. (Meyerton to Uganda is due North and continues up to Moscow. . .)

It seems probable to me that the programming is a production of RFE/RL, so a channel simpatico with US interests would appear to be the most likely. I expect both DW and AWR are that. (Who owns the Madagascar site now?) (Philip Hiscock, Nfld., ibid.)

The Madagascarians. Hard to believe RFE/RL would be involved in this, outside their purview; misheard something or a misfeed of audio? (Glenn Hauser, DXLD)

Despite of former Seychelles BBC Indian Ocean relay site, the former DWL now SLBC site at Trincomalee on Ceylon-Sri Lanka island gives excellent signal results into East Africa target (Wolfgang B. Schel, ibid.)

Because of monitored audio mix-ups at the transmitter site (see earlier postings), I think we have concluded that the transmitter facility is one also used by AWR and that Nauen seemed the likely candidate. Also, since there are four of the rotatable antennas at Nauen, they can transmit on up to four (?) frequencies simultaneously and that at the time of the UDP10R transmissions, there were not four other broadcasts being transmitted. Weak signals via Twente might be explained by the closeness of the transmitter and being in a bit of a shadow zone. We see the same effect for the Mighty KBC transmissions. (Richard Langley, NB, ibid.)

Others are reporting it now after 1700 on 15680, but apparently was not on 17840 earlier (Glenn to Harald Kuhl, via DXLD)

Yes, at tune in at 1802 UT on 15680 kHz there was a hymn and now there's a male presenter talking about human rights and freedom; condemning the current government. 17840 kHz: there indeed was no transmission today; also not in the morning. 73 (Harald Kuhl, Germany, Feb 19, DX LISTENING DIGEST)

Michael, We have been monitoring the very interesting Ugandan Diaspora P10 Radio and wonder if this is being transmitted by MBR? If so, could you tell us which site(s) on which frequencies at which times, and how much longer this is expected to continue?

9685? 15405, 15680, 17840

Thanks, (Glenn Hauser, World of Radio, Feb 20, via WORLD OF RADIO 1814, DXLD)

Dear Glenn, thank you for your mail and question regarding our new broadcast for the Uganda Diaspora P10.

Please find attached their latest transmissions:

START	STOP	CIRAF	ANTNR	AZI	TYPE	DAY	FROM	TO	LOC	POW	BRC	ADM	FMO
15405	1630	1700	48SW	HR	4/4/0.8	140	217	1234567	130216	260316	ISS	250	
UDP F MBR													
9685	0300	0600	48SW	HR	4/2/0.5	140	206		5	180216	180216	ISS	250
UDP F MBR													
17840	0900	1100	48SW	330200		155	218		5	180216	180216	NAU	250
UDP D MBR													
17840	1300	1600	48SW	330200		155	218		5	180216	180216	NAU	250
UDP D MBR													
15680	1600	1900	48SW	330200		155	218		5	180216	180216	NAU	250
UDP D MBR													
15680	1700	1900	48SW	340200		155	218		6	190216	190216	NAU	250
UDP D MBR													

Best regards, (Michael Puetz, Sales Consultant, Business Unit Radio  
MEDIA BROADCAST GmbH, Erna-Scheffler-Strafle 1, 51103 Cologne, Germany,  
Feb 22, WORLD OF RADIO 1814, DX LISTENING DIGEST)

So only the 1630 broadcast on 15405 is potentially continuing thru the  
end of the B-15 season 26 March. It and 9685 via France, the others  
via Germany. Checked at 1640 Feb 22, I have a JBA carrier on 15405  
(Glenn Hauser, OK, DX LISTENING DIGEST)

The recorded broadcast has been archived here:

<https://archive.org/details/UgandaDisporaP10Radio15.405MHz18February20161630UTC>

Uganda Dispora P10 Radio 15.405 MHz 18 February 2016 1630 UTC:

Richard B. Langley : Free Download & Streaming : Internet Archive

and here:

Uganda Diaspora P10 Radio: February 18, 2016

<http://shortwavearchive.com/archive/uganda-diaspora-p10-radio-february-18-2016>

Uganda Diaspora P10 Radio: February 18, 2016 --- Live, off-air, 30-  
minute recording of the clandestine station Uganda Diaspora P10 Radio  
on 18 February 2016 beginning at 16:30 UTC on a shortwave frequency...

Will also try to archive one of the multi-hour election-day broadcasts  
(Richard Langley, NB, dxldyg via DX LISTENING DIGEST)

BTW, VOA added a last minute Swahili broadcast on Feb 18 only to cover  
the elections, as if that would be the end of it, 1700-1730, extending  
the only daily Swahili broadcast at 1630-1700. BTW, Luganda ought to  
be the #1 indigenous language. Are we sure the non-English language on  
UDP10R is Swahili and not Luganda? (Glenn Hauser, DX LISTENING DIGEST)

FRANCE, Strong signal of Uganda Diaspora P10 via TDF, Feb 22, 1630-1700 15405 ISS 250 kW / 140 deg to CEAF English/Swahili  
[http://swldxbulgaria.blogspot.bg/2016/02/strong-signal-of-uganda-diaspora-p10\\_22.html](http://swldxbulgaria.blogspot.bg/2016/02/strong-signal-of-uganda-diaspora-p10_22.html)  
-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

Powerful signal of Uganda Diaspora P10 Radio via MBR, Feb 24  
1630-1700 on 15405 ISS 250 kW / 140 deg to CEAF English/Swahili  
[http://swldxbulgaria.blogspot.bg/2016/02/powerful-signal-of-uganda-diaspora-p10\\_24.html](http://swldxbulgaria.blogspot.bg/2016/02/powerful-signal-of-uganda-diaspora-p10_24.html)  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* UKRAINE. I want to tell you sad news. Today I read in the official group of Radio Mayak-Odessa [765 kHz] that since February, 9, 2016 the radiostation is closed because of financial problems.  
[http://vk.com/club63434334?w=wall-63434334\\_95](http://vk.com/club63434334?w=wall-63434334_95)  
(Sergei. Saint Petersburg, Russia (23/2-2016) on  
<http://mediumwave.info/news.html> via Mike Terry, Feb 23, dxldyg via DXLD)

Thanks Sergei and Mike for the news. Is that a temporarily issue? Due to lack of budget money to pay the main power electricity and the technician staff salaries? That former USSR jamming MW broadcast center is located 60 km north of Odessa.

UKR\_Odessa Petrivka 1242{1278}kHz, 30d 20n kW, 150m high mast, Radio Maiak 765 kHz 100 kW 2 masts  
(veiled operation under ITU Starobelsk call during Soviet USSR era).  
vy73 wolffy df5sx wwdxc germany (Wolfgang B.schel, dxldyg via DXLD)

[Historic stuff from BC-DX via Wolfgang B.schel:::]

Some Petrivka station history:

UKRAINE Radio ERA, Ukraine. Does anybody know anything about R Era from Ukraine? Is it on MW or FM ? (WRTH 2001 does not list anything like that). My friend heard it on 9180 kHz (17 Nov 2000, 0605 UTC), seemingly an unauthorised relay. There is a clear ID (2 or 3 times) on his tape recording.

Radio ERA, Ukraine - is usually carried via the UR1 network in the morning hrs. 9180 looks like 12x765 = the frequency of the UR1 tx site at Petrivka (near Odessa). (Karel Honzik-CZE, Jan 2, 2001)

Most recent UKR AM news. Yegorov noted activity on 1278 with semi-domestic sce from Moscow called "Sodruzhestvo" ("s." = commonwealth, i.e. intended for CIS, in Russian). He suspects Petrivka, OD=Odessa

[Krimea] reactivated (1300-1900 UTC). From my QTH it looks like truth.  
Addr was announced: 113326 Moskva, Piatnitskaya 25,  
Radioveshchatelnaya sluzhba "Sodruzhestvo" (literal transl:  
"Commonwealth" Broadcasting Service).

Well, I feel somebody in Kiev recently signed an agreement with Moscow  
BC authorities for some relays on AM (936 Lviv, now 1278 Odessa) who's  
next? will see... This relay is certainly not financed by the  
Ukrainian side, VoRUS pays for the relay, just as it pays for the  
relays in Germany, Moldova, etc. The Ukrainian operator RRT would of  
course be glad to activate any of their HP txs for any paying customer  
from whatever country.

765 Odesa/Petrivka, R Mayak (nothing common with a Moscow stn!)  
daytime 1278 Odesa/Petrivka, relays VOR (Jan 2003)

Of April 2003:

The power usage of the outlets in Petrivka on 765 (Radio Maiak, Odesa)  
and 1278 (Voice of Russia) is 75 kW and 50 kW, respectively. The tx on  
765 is based on a 20kW TESLA tx which was modernized and boosted via  
40 kW to 75kW, the unit on 1278 is a 150 kW Shtorm tx which is run on  
reduced power. (Bernd Trutenau via MWDX, Feb 28; ARC MV-Eko Mar 17,  
2003)

Of August 2006:

Petrivka, north of Odesa, seems to have been the home of two  
shortlived SW txs for domestic sces in the mid 70s. Hope this  
clarifies matters (Olle Alm-SWE, SW TX site shortwavesites via wwdxc  
BC-DX Aug 30, 2006)

Of June 2008:

See Radio Maiak, Petrivka in WRTH 2008 p. 361.  
Two MW masts (1x reserve) and more 18 SW masts visible in G.E.

Seemingly one of the 'vailed' fake VoMoscow tx site calls at ITU  
Geneve, in Ukrainian SSR/Moldovian SSR area during 50ties and 60ties  
before Griogoriopol-Moldova newly built up from 1972. Like:

IVF Ivanofrankovsk UKR 48N56 024E48  
STR Starobelsk UKR 49N13 037E57 - real Starobelsk is 600kms away -  
VIN Vinnitsa UKR 49N13 028E26

... was one of these many VEILED transmitter site locations of  
communist USSR era, by Mr. Anatoly Titov in late 70ties and 80ties,  
like for example Sherpukov, Simferopol, fake Starobelsk for real  
Petrivka, Kalinin, Nikolaevsk etc. etc. (wb, wwdxc BC-DX June 7, 2008)

History. Reserve channel 1278 kHz 50kW. Photos:

<[http://www.froocus.net/main.php?lng=en&rzd=E-TV&pag=area&g=4632#emiter\\_table](http://www.froocus.net/main.php?lng=en&rzd=E-TV&pag=area&g=4632#emiter_table)>

<[http://www.froocus.net/images/antennas/ua/Petrivka/SW-ant\\_EMNIP\\_2.jpg](http://www.froocus.net/images/antennas/ua/Petrivka/SW-ant_EMNIP_2.jpg)>

<[http://www.froocus.net/images/antennas/ua/Petrivka/SW-ant\\_EMNIP\\_3.jpg](http://www.froocus.net/images/antennas/ua/Petrivka/SW-ant_EMNIP_3.jpg)>

<[http://www.froocus.net/images/antennas/ua/Petrivka/SW-ant\\_EMNIP\\_1.jpg](http://www.froocus.net/images/antennas/ua/Petrivka/SW-ant_EMNIP_1.jpg)>

<[http://www.froocus.net/images/antennas/ua/Petrivka/Tesla\\_30kW.jpg](http://www.froocus.net/images/antennas/ua/Petrivka/Tesla_30kW.jpg)>

<<http://www.ukrtvr.org/images/Odessa/logomajak.gif>>

<<http://www.ukrtvr.org/index.php/efir-po-naselenikh-punktakh/37-odeska-oblast/160-odesa-misto>>

(Patrick Robic-AUT, A-DX Dec 29, 2008)

ITU request entry of Sept 2010:

On shortwave veiled Starobelsk call in USSR era, but Odessa for MW

Petrivka, now additional Petrivka 1404 kHz 25 kW, 135m mast

46 59 24.50 N 30 53 33.26 E

Of Sept 2011:

UKRAINE 765 R Maiak UKR reactivated. Ukrainian Radio Maiak Odessa is active again on 765 kHz. Heard in Ukrainian in the evening around 1700 UT and in Russian after 1900 UT. Commercials are in Ukrainian and Russian.

ID: "Radio Maiak Odessa na volnye 765 kilogerts." They announce 765 kHz only, no FM frequency. TX: Petrivka - Odeska Oblast, 70 kW {real 40kW, max.75kW; see picture of 30kW TESLA tx below}.

This station is independent of Radia Mayak in Russia.

<<https://goo.gl/maps/jHrDYwgPYDv>>

(Karel Honzik-CZE, direct and via MWCircle Sept 6, 2011)

Of January 2013:

UKRAINE 765 QSL Radio Mayak/Maiak Odessa. 6 Tage nach einem e-mail Bericht kam eine sehr schoene QSL-Karte von Radio Mayak Odessa auf 765 kHz.

v/s Stanislav Kyselov, QSL Manager. Abgeschickt wurde die Karte in Tschechien. Ich glaube, da hatte schon einmal jemand diese Antwort bekommen. Die e-mail Adresse war die, die bei Herman Boel im Adressenteil steht (Hans-Dieter Buschau-D, A-DX Jan 10, 2013)

QSL Radio Mayak Odessa. Hallo HDB, Gratulation fuer die QSL, lautet die Schreibweise auch "Mayak" - wie in Russland auch, irgend jemand hat mich mal auf "Maiak" in Ukrainisch korrigiert.

So stehts auch im WRTH p379 unter Petrivka, eine alte Radio Liberty Jammer Station. 60 km noerdlich Odessa bei Petrivka 1242 kHz, kW: 30day 20night, 150m mast, Radio Maiak 765 kHz 100 kW 2 masts (veiled fake Starobelsk call in USSR ITU list)

<<http://goo.gl/maps/hhoAG>>



46 59 36.43 N 30 53 48.30 E  
(wb, wwdxc BC-DX TopNews Jan 11, 2013)

[Above all historic stuff from BC-DX via Wolfgang B,schel, dxldyg  
via DXLD]

Don't really think Petrivka had to do with any veiled (fake) Radio  
Moscow transmitting sites in MoldAvian SSR.

Moldavia did have its own SW transmitter site in a so-called pre-Maiac  
(Grigoriopol) era that was even disclosed on R. Moscow QSLs back in  
the 60s (there were mentions of some QSLs showing Kishinev as the  
transmitter site, on this very mailing list). This, strangely, was  
true. Yet another unknown fact - there even existed SW relays of the  
Moldavian republican radio in the 60s. If my memory serves me well.  
those were in the 25, 31 or 49 mb (season-dependable) and continued  
after Maiac/Grigoriopol came into play, Must have precise frequencies  
somewhere.....

As far as Radio Mayak is concerned, I used to listen to it in downtown  
Chisinau when going to work. Strange provincial programming with  
phone-ins and musical requests, and not-so-original selection of  
tracks. Strangely, they became non-stop (24 hrs) shortly before their  
unexpected closure; go figure. Wondering if it's still present on OIRT  
[FM band], or completely defunct now?

Stanislav Kiselyov, mentioned as the station's QSL manager, was also  
working for other Odessa-based stations from the early 90s, always  
being quite benevolent to reception reports. I think I must have his  
QSL letter from Radio Glas or something (Leo Barmaleo, Moldova, ibid.)

\*\* U S A. 2097-CW, Feb 23 at 0206 UT, beacon with a simple ID as A in  
Morse code every 10 seconds. Weak but no doubt about the letter sent.  
Tnx to tip from Rick Barton, Peoria AZ, who reported this Feb 16, as  
2097.3, from Quartzsite AZ. It's among the HIFers on this list:  
[http://www.hfunderground.com/wiki/High\\_Frequency\\_Beacon](http://www.hfunderground.com/wiki/High_Frequency_Beacon)

``(15 watts) - 'A' ident or malfunctions as series of dits - 15 watts  
max., 24/7 [1] Last reported: June 30, 2012``

Quartzsite is on I-10, 20 miles from California, or 944 miles = 1519  
km from Enid, amounting to 63 miles per watt. Wonder what happened to  
some other such beacons in the 3.4+ and 4.0+ MHz range, including a  
couple in OK I used to hear? (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. 13557.2, MTI, Stone Mountain GA; 2041, 16-Feb; usual slow  
code ID amidst the pulsters & pippers (Harold Frodge, Midland MI, USA,  
5525 Whitehall St., Midland MI 48642-3156, Drake R8B + 185' & 60' RW +

125' bow-tie, ----- All logged by my ears, on my receiver, in real time! ----- DX LISTENING DIGEST)

\*\* U S A. 21430.375-AM, Feb 10 at 1820, ham talking about his equipment, soon drifting to 21430.390-AM, ID as K1KW. I've noticed before that 21430 is a spot for hAMs on 14m --- but why not 21430.00? Most SSBers manage to transmit at 1.00 kHz steps, making it easy to tune them in. How's that for a vanity call? ARRL lookup shows:

O NEAL III, CHARLES D, K1KW

PO Box: 369

BOLTON, MA 01740

Previous call sign: WA1EKV

(Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. JOHN E. REINHARDT, AMBASSADOR AND HEAD OF U.S. INFORMATION AGENCY, DIES AT 95

Dr. Reinhardt was the first black American ambassador to Nigeria, and the first career diplomat and first university educator to lead the information agency. . .

<http://www.nytimes.com/2016/02/23/us/john-e-reinhardt-ambassador-and-head-of-us-information-agency-dies-at-95.html?smprod=nytcore-iphone&smid=nytcore-iphone-share>

Sent from my iPhone (via David Cole, OK, Feb 23, DX LISTENING DIGEST)

\*\* U S A [non]. 6035, Feb 18 at 0510, tonal African language at S7. It's VOA Hausa via ASCENSION at 0500-0530 daily.

11570, Thu Feb 18 at 1350, VOA Korean with English lesson, // 9800 which is somewhat better and 11570 now has ACI from 11565 WRMI. 11570 is Tinian, 9800 Tinang, but they are well synchronized (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A [and non]. WORLD OF RADIO 1813 monitoring: confirmed Thu Feb 18 at 2100 on new 13695 WRMI. Very good! Added 13695 to BST-1 caradio memory. On 315-degree beam right at us (and I hope good elsewhere in N America). The 0030 UT Friday Feb 19 airing on 9330v-CUSB WBCQ can't be confirmed; not sure there is even a JBA carrier tonight. At 0102 try again, now maybe a JBAC around 9329.9, and a stronger but still very weak signal on 9331.15-USB, 2-way perhaps in Spanish. Meanwhile, 9265 WINB is S9+35. Next:

Fri 2130 WRMI 15770 to NE

Fri 2130.5 WRMI 13695 [NEW] to NW

Fri 2330 WRMI 5950 to S [heard last week; unreconfirmed]

Sat 0030 WBCQ 9330v-CUSB to WSW

Sat 0730 HLR 6190-CUSB to SW

Sat 1530 HLR 7265-CUSB to SW  
 Sat 2030v WA0RCR 1860-AM ND  
 Sat 2330 WBCQ 9330v-CUSB to WSW  
 Sun 0410v WA0RCR 1860-AM ND  
 Mon 0030 WBCQ 9330v-CUSB to WSW  
 Mon 0400v WBCQ 5110v-CUSB Area 51 to WSW  
 Mon 0430.5 WRMI 9955 to SSE  
 Tue 0030 WBCQ 9330v-CUSB to WSW  
 Tue 1200 WRMI 9955 to SSE  
 Wed 0030 WBCQ 9330v-CUSB to WSW  
 Wed 1415.5 WRMI 9955 to SSE  
 Wed 2200 WBCQ 7490v to WSW  
 Thu 0030 WBCQ 9330v-CUSB to WSW

WORLD OF RADIO 1813 monitoring: confirmed Friday Feb 19 at 2130 on WRMI 15770, and at 2130.5 on now much stronger WRMI 13695. The latter is followed at 2200 by fill music concert instead of BS.

5950, Friday Feb 19 at 2330, no WOR on WRMI but continuing Spanish Christianity as scheduled from remnant F-mily Radio, weak signal toward Cuba, despite JRJ in Brasil having heard WOR here one week ago, which as I suspected must have been an anomaly.

Another try for the 0030 UT 6-nightly airing of WOR on WBCQ, 9330v-CUSB: UT Sat Feb 20 at 0031 via the R75, weak S4 signal on 9329.94 is just barely modulated, and can't be sure it's WOR. By 0055 I'm on the NRD-545 and now it's S7, on 9330.94, undermodulated but can tell it is WOR. Note tomorrow's Saturday airing is an hour earlier at 2330, not UT Sunday. Next:

Sat 0730 HLR 6190-CUSB to SW  
 Sat 1530 HLR 7265-CUSB to SW  
 Sat 2030v WA0RCR 1860-AM ND  
 Sat 2330 WBCQ 9330v-CUSB to WSW  
 Sun 0410v WA0RCR 1860-AM ND  
 Mon 0030 WBCQ 9330v-CUSB to WSW  
 Mon 0400v WBCQ 5110v-CUSB Area 51 to WSW  
 Mon 0430.5 WRMI 9955 to SSE  
 Tue 0030 WBCQ 9330v-CUSB to WSW  
 Tue 1200 WRMI 9955 to SSE  
 Wed 0030 WBCQ 9330v-CUSB to WSW  
 Wed 1415.5 WRMI 9955 to SSE  
 Wed 2200 WBCQ 7490v to WSW  
 Thu 0030 WBCQ 9330v-CUSB to WSW

Some people have reported incomplete or skipping WOR 1813 on podcast, but I can't find anything wrong with my original mp3 file. Suggest you try an alternate podcast source or even go directly to my site and

stream or download it: <http://www.worldofradio.com/audiomid.html>  
The correct length should always be between 28:55 and 29:00  
(Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

The length of the file downloaded via iTunes was nominal but the last 8 minutes or so was a repeat of material from earlier in the file.  
(Richard Langley, NB, dxldyg via DX LISTENING DIGEST)

Glenn: Yes, I heard the full episode using your webpage and the Feedburner link:  
<http://www.w4uvh.net/wor1813.mp3>  
Definitely worth hearing in full. Best (Charlie Harlich, DX LISTENING DIGEST)

WORLD OF RADIO 1813 monitoring: confirmed Sat Feb 21 circa 1548 on Hamburger Lokalradio 7265-CUSB via UTwente remote, well atop the CRI CCI, but with occasional deep fades. Also confirmed Saturday Feb 20 at 2330 on WBCQ 9330v-CUSB; weak but no strain to detect it this time (see separate WBCQ logs).

WOR also confirmed UT Sunday Feb 21 on 1860-AM, WA0RCR, having started about 0423. Steady S9 signal, but modulation level seems a bit low. Nice thing about this MW frequency is that there is NO CCI causing subaudible heterodyne fading, which even KMOX cannot count on. Over by 0453 for ID and into RAIN report. Next:

Mon 0030 WBCQ 9330v-CUSB to WSW  
Mon 0400v WBCQ 5110v-CUSB Area 51 to WSW  
Mon 0430.5 WRMI 9955 to SSE  
Tue 0030 WBCQ 9330v-CUSB to WSW  
Tue 1200 WRMI 9955 to SSE  
Wed 0030 WBCQ 9330v-CUSB to WSW  
Wed 1415.5 WRMI 9955 to SSE  
Wed 2200 WBCQ 7490v to WSW  
Thu 0030 WBCQ 9330v-CUSB to WSW

WORLD OF RADIO 1813 monitoring: 9329.96-CUSB, UT Monday Feb 22 at 0029, S9+10 signal so WBCQ is way up from JBA, but after a few words, back to dead air, still so at 0032 when another bit of talk (not me) breaks thru, 0035 bit of music, still no WOR, and signal is fading down. Meanwhile WINB 9265 is below S9. Maybe these anomalies have something to do with concentrating on getting the new 3250 operational? Not audible now. 5109.7-CUSB also seems to be on with dead air, but 7490- is nominal with 'Le Show' by Harry Shearer. 0037 I give up, intending to check again before 0100.

WOR 1813 confirmed UT Monday Feb 22 from 0401 on Area 51 webcast and presumably on WBCQ 5109.7-CUSB, which was confirmed on with the Tassie show after 0430. WOR also confirmed UT Monday Feb 22 after 0430 on

WRMI 9955 with poor signal, but a bihour later it was very good. Next:

Tue 0030 WBCQ 9330v-CUSB to WSW  
Tue 1200 WRMI 9955 to SSE  
Wed 0030 WBCQ 9330v-CUSB to WSW  
Wed 1415.5 WRMI 9955 to SSE  
Wed 2200 WBCQ 7490v to WSW  
Thu 0030 WBCQ 9330v-CUSB to WSW

WORLD OF RADIO 1813 monitoring: confirmed UT Tue Feb 23 at 0030 on WBCQ 9330.063-CUSB, following 0029 IS & ID loop, sign-on. It's S9 now with good modulation. Next:

Tue 1200 WRMI 9955 to SSE  
Wed 0030 WBCQ 9330v-CUSB to WSW  
Wed 1415.5 WRMI 9955 to SSE  
Wed 2200 WBCQ 7490v to WSW  
Thu 0030 WBCQ 9330v-CUSB to WSW

WORLD OF RADIO 1813 monitoring: confirmed UT Wed Feb 24 at 0030 on WBCQ 9330v-CUSB after 0029 IS & ID runup, now back to full strength at S9+10, equivalent to 9265 WINB. Also confirmed Wed Feb 24 at 1415.6 on WRMI 9955, fair signal, no jamming (following a new FG Radio mentioning UK possibly quitting the EU). Next:

Wed 2200 WBCQ 7490v to WSW  
Thu 0030 WBCQ 9330v-CUSB to WSW

(Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

WORLD OF RADIO 1813 monitoring: confirmed Wed Feb 24 at 2200 on WBCQ 7490v-AM webcast. Due to slight misalignment of automation timing, three extraneous words are inserted after the WBCQ ID and just before WOR playback starts. Today, they are: ``up in Quebec``. Similar happens before some WRMI airings. Also confirmed at 0030 UT Thu Feb 25 on WBCQ 9330v-CUSB.

WORLD OF RADIO 1814 ready for first SW broadcasts Thu Feb 25:

Thu 1230 WRMI 9955 to SSE  
Thu 2100 WRMI 13695 to NW  
Fri 0030 WBCQ 9330v-CUSB to WSW  
Fri 2130 WRMI 15770 to NE  
Fri 2130.5 WRMI 13695 to NW  
Sat 0030 WBCQ 9330v-CUSB to WSW  
Sat 0730 HLR 6190-CUSB to SW  
Sat 1530 HLR 7265-CUSB to SW  
Sat 2030v WA0RCR 1860-AM ND  
Sat 2330 WBCQ 9330v-CUSB to WSW  
Sun 0410v WA0RCR 1860-AM ND  
Mon 0030 WBCQ 9330v-CUSB to WSW  
Mon 0400v WBCQ 5110v-CUSB Area 51 to WSW  
Mon 0430.5 WRMI 9955 to SSE

Tue 0030 WBCQ 9330v-CUSB to WSW  
Tue 1200 WRMI 9955 to SSE  
Wed 0030 WBCQ 9330v-CUSB to WSW  
Wed 1415.5 WRMI 9955 to SSE  
Wed 2200 WBCQ 7490v to WSW  
Thu 0030 WBCQ 9330v-CUSB to WSW  
(Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. 5109.7-CUSB, Feb 18 at 0501 I check for WBCQ here and do hear a bit of honky tonk piano at S7, then some hum, and/or off. Was not expecting to hear it, altho on UT Thu only, 5109.7-CUSB substitutes for BS on 7490 to accommodate Hal Turner at 02-04 UT; so did BS get another hour; or something else at 04-05?

7490-, UT Sat Feb 20 at 0100, WBCQ with William Tell Overture theme starting 'Allan Weiner Worldwide'. In DeLand of Fla he can tell that 7490 is on, but not sure about the other frequencies. Mentions that preceding Fred Flintstone show was dead air, something went wrong. With 7489.9 or so on the PL-880 and sufficient reelout antenna, I tune the NRD-545 for the other WBCQs.

5109.7 at 0100 is a JBA carrier about S7, and not until 0105 does modulation cut on, now // synchronized with 7490 rather than several seconds off in some kind of looping re-feed. First part of AWWW is talking about Trump, then Ramsey joins in on phone.

9330 as usual has Blalock the blaster at 0100, but very weak now like WOR before him. For comparison, at 0107, WINB 9265 is running S9+25.

3250 I also hasten to check, since we had news this week of such a new frequency registered for WBCQ --- yes! There it is at 0100 Feb 20, a JBA carrier at first, which could also be a MW harmonic, 5 x 650. Keep checking and at 0117, 3250.09 is S6 so I can barely hear AWWW and make it // 7490 also in synch. Seems to be equal on LSB and USB, so maybe AM, but carrier could still be reduced. Too weak to be sure.

At 0131, Allan is asking for reports on new 3250, and Timmy is on the phone from site, says testing antenna, and everything is being tuned up for the 3 MHz band. Allan reminds us that he mentioned some weeks ago that something new is coming on the 90 mb; thinx it's not up to full power yet. I can believe that! Like 9330. At 0139, I find a slightly stronger carrier on 3251.1; by 0144 this has drifted to 3250.8, apparently something else as WBCQ appears still to be closer to 3250, JBA (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

9330, Feb 21 at 0058 on BST-1 caradio, enough WBCQ to stop the memory scan during IS and ID, so I hope that means power has been upped, but

no chance to compare it now to what I get on fixed radios.

3250v, 5109.7, 7489.9, 9330v, UT Sun Feb 21 at 0424 check, all four WBCQ transmitters are off. It may seem late in the Eastern zone, but there ought to be audience for programming in the rest of North America on a Saturday night.

9330.06, Feb 23 at 0159, WBCQ The Planet ID, and 0200 right into a gospel huxter with no program introduction, initially paranoid about ``airplanes spraying stuff`` and ``aluminum corn``. WBCQ program guide already has this as new `Word of Deliverance` with Pastor Jim Inman, 7 days a week at 02-03 (following `Full Gospel Hour`, also 7-daily at 01-02, with Terry (the blaster) Blalock. (But the sked still shows WOR on 9330 only at 0300 UT Friday instead of daily 0030 except Sat 2330 instead of 0030 UT Sunday.)

Meanwhile, at 0202 UT Feb 23, WBCQ 7489.9 is already Brother Scaring, but with someone else paranoid about apocalypse-by-radiation, while nothing heard on 3250 or 5109.7 (in last report one mis-reference read 5107.9) (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. W5KUB.COM webcast watched in over 150 countries  
Amateur Radio Roundtable --- Subject: Show cancelled this week.

We are cancelling this week's show, February 23, due to a family medical emergency. Many of you know my mother by her chat room name of "Granny". She has been in the chat room on many of our webcasts. Last Wednesday Mom had a massive stroke and surgery to remove the clot was unsuccessful; therefore, she is now receiving comfort care.

We hope the show will be back on it's regular Tuesday night schedule by next week. If not, I will inform you with another letter.

Our next show (unknown date) will feature, Glen Popiel, KW5GP, the author of the ARRL publication, Arduino for Ham Radio. Glen will be sharing some neat Arduino projects.

If you missed our last show on Heard Island DXpedition you can watch it here. We plan to have live video updates on our show directly from Heard Island during the operation in March and April.

Astronaut Douglas Wheelock confirmed that he will be on one of our Tuesday night shows soon and that he will be joining us, in person, for our Dayton Hamvention webcast in May as our guest and co-host. Many of you talked to Doug when he was commander of the International Space Ship (ISS). Doug left yesterday (Sunday) for Russia for an assignment.

Amateur Radio Roundtable, is a live weekly amateur radio and shortwave program, held every Tuesday night at 8 PM CDT (0200 UTC Wednesday). The show can viewed at W5KUB.com or heard on shortwave radio station, WBCQ on 5110 KHz.

To watch Amateur Radio Roundtable on Tuesday evenings, go to W5KUB.com. If you are listening on 5110 KHz, we would like to hear from you. Please send an email to tom@w5kub.com and tell us your location and signal report.

We need help with topics. If you have a specific subject that you would like to present in a future show, send an email to tom@W5KUB.com.

Forward this message to a Friend will allow you to share this message with your friends. Join us for fun and interesting discussions! (Tom Medlin, W5KUB, Feb 22, DX LISTENING DIGEST)

\*\* U S A. Frequency changes of WRMI (mostly Brother Stair) from Feb 18  
2200-1200 NF 7780 YFR 100 kW / 044 deg WeEu English, ex 15770 tx#03  
1200-2200 on 15770 YFR 100 kW / 044 deg WeEu English, ex 00-24 tx#03

1200-2200 NF 17790 YFR 100 kW / 160 deg CeAm English, ex 11920 tx#04  
2200-1200 on 11920 YFR 100 kW / 160 deg CeAm English, ex 00-24 tx#04

0000-2400 NF 6915 YFR 100 kW / 285 deg WNAAm English, ex 13695 tx#05

0000-1300 NF 5765 YFR 100 kW / 355 deg ENAm English, ex 11825 tx#08  
1300-2400 on 11825 YFR 100 kW / 355 deg ENAm English, ex 00-24 tx#08

1400-2300 NF 13695 YFR 100 kW / 315 deg WNAAm English, ex 7570 tx#11  
2300-1400 on 7570 YFR 100 kW / 315 deg WNAAm English, ex 00-24 tx#11

1400-2300 NF 11565 YFR 100 kW / 315 deg WNAAm English, ex 5850 tx#12  
2300-1400 on 5850 YFR 100 kW / 315 deg WNAAm English, ex 00-24 tx#12

1400-2300 NF 15440 YFR 100 kW / 285 deg MEXI English, ex 7730 tx#13  
2300-1400 on 7730 YFR 100 kW / 285 deg MEXI English, ex 00-24 tx#13

1300-2000 NF 9455 YFR 100 kW / 181 deg Cuba English, ex 5950 tx#14  
2000-1300 on 5950 YFR 100 kW / 181 deg Cuba English, ex 00-24 tx#14  
<http://swldxbulgaria.blogspot.bg/2016/02/frequency-changes-of-wrmi-mostly.html>  
(DX RE MIX NEWS #940 from Georgi Bancov and Ivo Ivanov, Feb 22, 2016, via DXLD)

11920, Feb 20 at 0110, WRMI is S9+20 but open carrier/dead air during the hour supposed to be occupied by F-mily Radio in Spanish. It's #4 transmitter, 22 hours a day with BS, on 17790 in daytime.



5850 & 7730, Feb 23 at 0704, these WRMI's have switched to the very nice eclectic fill music loop, after hours & hours of BS, while e.g. 5765 & 7780 stay with BS. The transmission schedule grid is confusing, showing 5850 and 7730 switch to System D other religious programming at 0700, but Sundays only on 5850, Mondays only on 7730 --- and this is Tuesday. So apparently other days of week are not paid for by BS or anyone, but they leave the transmitters on. BTW, have not heard the fill music lately on 11580 between 13 and 15, but rather more BS (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* U S A. 9275.04, Feb 22 at 2010, tune in S9 to S9+10 open carrier, cuts off at 2010.5\*, back on at \*2016.4 and stays on until 2055.2\*. Back on briefly at \*2056.3 but cuts off and on and off. Another brief appearance at \*2114.9 and quickly off, never to return past 2200.

Unfortunately up against a local device bubble jammer, probably a DTV cable converter box, but the carrier is fading slightly, and normally nothing here, so I instantly suspect it's the long-dormant WMLK, Assemblies of Yahweh, Bethel PA, which just registered this frequency with HFCC for possible B-15 usage between 17 & 22 UT, also 04-09, both 125 kW at 53 degrees to Europe.

Before it went dark a decade plus ago, it was on 9265, but WINB subsequently usurped that frequency for itself. WMLK was long registered on 9955 too, but now has wisely ceded that to WRMI, 24 hours. WMLK got a 250 kW transmitter and have been trying to get it and associated damaged antennas operational all this time. Some of this is detailed on their website, <http://wmlkradio.net> but which has not been updated since 2013y. WMLK was still in WRTH 2015, as inactive, but they gave up and removed it from 2016!

I e-mailed this inquiry to everyone on the webpage contact list, except Elder Jacob O Meyer (EJOM) himself, who died in 2010y\* and thus was not expected to reply.

``Dear WMLK: This afternoon Monday Feb 22, I have been hearing a good unmodulated carrier on 9275.04 kHz. Since you have recently registered this new frequency, I wonder if I am really hearing WMLK testing on the air at last after these many years?? If so, is this the first day or when did testing start?

I tuned in at 2010 UT but it went off about 2010:30; and came back on at 2016:24 or so and has stayed on continuously as of 2052.

9275 reads about S9+10 with slight fading, while your neighbor in more ways than one, WINB on 9265 is S9 fading down to only S5. This is on my R-75 receiver with 100 foot east-west longwire.

Please confirm whether or not this is WMLK testing, and update us on your plans from now on? Perhaps you could modulate an ID at top of hour? Thanks, Glenn Hauser, World of Radio``

This went out just before the cutoff at 2055z, as if they got my mail and realized someone was listening? No, probably coincidental; and still no reply, so I don't yet have any confirmation this was really WMLK. Anyhow, this carrier at S9 was stronger than neighbor 9265 WINB, only averaging S8 despite its 50(?) kW being aimed this way. 9275: a frequency for further monitoring (Glenn Hauser, OK, DX LISTENING DIGEST)

Received this Feb 23 from anonymous webmaster@wmlkradio.net ---

``Glenn: You are correct in your assumptions. WMLK Radio is licensed by the FCC to test at 9.275 MHZ from 1700-2200 UTC. We have been placing a carrier and modulated content on the air during this time period. Programming with SID's will soon follow when testing stages and adjustments are completed. Thank you for your report!``

Check 9275 Feb 23 at 1727: not on yet today.

This undated page, but which I think is nothing new, explains some of their technical, logistical, financial woes in getting this thing going:  
[http://wmlkradio.net/wmlk\\_radio\\_bbc\\_250kw\\_tx\\_update.htm](http://wmlkradio.net/wmlk_radio_bbc_250kw_tx_update.htm)

concluding with this ``mission statement``:

``Radio WMLK cannot be stopped at the border of a given country. Many people on this earth only have access to the outside world via shortwave radio. With this method of communication, we will reach many people and many countries, that otherwise would present difficulty in accessing. There comes a time of government restriction/intervention, and also the time comes that attempts will be made, to silence those in opposition to their views. The beast system will be very oppressing. With our own broadcasting capabilities, we will be able (Yahweh Willing!) to continue to send forth Yahweh's Truth to a dying world! Also in the works is obtaining our own power generator. We want to be able to produce our own electricity if necessary. Shalom! Gary A. McAvin, Chief Operating Engineer``

It looks like the evil government's FCC was very foolish to authorize WMLK! ``Beast system``??? ``Dying world``???

9275, Feb 23 at 2045, no signal from WMLK carrier test, unlike yesterday. Couldn't monitor continually between 17 and 22 authorized

hours.

9275, Feb 24 at 2036 check, no signal from WMLK, Bethel PA, whose open carrier test was confirmed 48 hours earlier; available between 17 and 22 UT. Another check Feb 25 at 1910: Not (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST) Back on Feb 26 (gh)

\*\* U S A. 3215, Feb 19 at 0109, Dave is live(?) on WWRB, advocating the advantages of ham radio especially for doom-and-gloomers, one of which Dave says he is not; can't call this a rant. WWRBS is also on 3185 now.

3195 & 3185, Feb 23 at 0209, WWRB absent from both frequencies; don't know if on 3215 earlier, but received this Update Feb 22 directly from Dave Frantz, edited only for style:

``Greetings. We made a slight change in our flight sked. This has allowed me to be here at WWRB early. We operate 7 days a week:

Sat, Sun, Mon: 6:55 PM to 12:00 AM: 3215 then 3195 after 9:00 PM  
Tue, Wed, Thu, Fri: 6:55 PM to 9:00 PM: 3215 then 3185 after 9:00 PM  
[these times must be EST = UT -5; WWRB is very near the CST boundary]

Right now shortwave broadcasting is a race to the bottom in airtime pricing. So I can make \$170.00 per hour flying with ZERO expense --- or crawl on my belly for less than \$50.00 per hour with plenty of expense!!!!

Since the demise of coal fire power plants, electric rates are now skyrocketing. The demand charges alone eat up the power tube replacement reserve.

It's worth noting my wife has a friend that is a licensed massage therapy business: She charges \$70.00 per hour for a massage. She is booked SOLID with 'church going' clients; she just brought in another therapist to help her with the work load. Her basic cost for her business is: \$250.00 per month office rent, utilities included!!, 300 bucks, a ONE time expense for a massage table, 50 bucks for sheets / drapes. 20 bucks for a gallon of massage oil. Profits GALORE --- PLUS she works when she wants to and no bull shit to put up with.

A Shortwave station: almost a million bucks for a 100 kW station, PLUS all the operating expenses to make \$50.00 per hour????? with all the other cost. Red ink GALORE & PLENTY of bull shit to put up with. How can you pay an employee a DECENT living wage with that little revenue? When Brother Stair quits the U.S. shortwave, coupled with the EXPLOSIVE electric rates, THAT'S IT!`` (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

3185, Feb 24 at 1345, WWRBS is still on air, its JBA carrier thru the daypath; Dave had indicated this would be closing at midnight = 0500 UT. Apparently frequencies above the 3 MHz band are no longer in use at all (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A [and non]. 9975, Feb 19 at 0119, no signal from KVOH, but there is some video(?) buzz probably from a nearby device; yet, Cairo attains S5 on 9965.21 at 0120 Feb 19 with open carrier/dead air.

9975, Feb 20 at 0057, no signal yet from KVOH, but a blob of video-like buzz circa 9976 --- maybe ex a local device, but if so a new frequency. At 0106 recheck, KVOH is on vs the buzz (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. 5890, Feb 19 at 0704, NO signal from WWCN-4, while 5935, WWCN-2 is propagating sufficiently, S9+10. Day frequency 9980 of WWCN-4 is also AWOL at 1526, 1551 and 1630 chex. That's the one primarily dedicated to Brother Scare. Transmitter problem, or did he pull out from WWCN? Who needs it, having bought up most of WRMI? O yeah, he still has a few more transmitters to go before he's on 100. Here are the posted skeds effective until the imposition of DST on March 13:

Transmitter #4 - 100 KW - 90 Degrees  
12:00 AM-07:00 AM 0600-1300 5.890 MHz  
07:00 AM-06:00 PM 1300-0000 9.980 MHz  
06:00 PM-09:00 PM 0000-0300 7.520 MHz  
09:00 PM-12:00 AM 0300-0600 5.890 MHz

Note that another transmitter is on 5890 during one bihour:

Transmitter #2 - 100 KW - 85 Degrees  
12:00 AM-07:00 AM 0600-1300 5.935 MHz  
07:00 AM-10:00 AM 1300-1600 7.490 MHz  
10:00 AM-03:00 PM 1600-2100 12.160 MHz  
03:00 PM-05:00 PM 2100-2300 9.350 MHz  
05:00 PM-07:00 PM 2300-0100 5.890 MHz \*\*\*\*  
07:00 PM-12:00 AM 0100-0600 5.935 MHz

However, if you consult the program schedules, you will find gaps in #4 usage depending on days of week. If 7520 is also absent, that means no 6220 parasite is possible with WNQM 1300 relaying WMDB 880 La Ranchera.

7520, Feb 20 at 0058, WWCN-4 is still off, and with it the 6220 parasite. 5890, Feb 20 at 0058 quick tune to here finds WWCN-2 on, but QSY announcement to 5935 and off. Presumably 5890 will not come back later tonight as that would be WWCN-4 again. Wonder what happened to

that transmitter?

4840, Feb 20 at 1359, WWCN-3 is still on night frequency an hour after scheduled closing, so tough luck for 4835 Australia. It's DGS, and nothing on day frequency 13845: still 4840 at 1425, now with PMS, (and not // 7490); and 4840 still audible at 1611! Not checked again until 2109 when 13845 is finally vigent instead. Next morning, Feb 21 at 1400 check, 13845 is already on and 4840 is off.

9980, Feb 20 at 2115, WWCN-4 is finally back on with BS // 9955 WRMI, after missing a few days. 5890 is off again at 0435 check Feb 21 --- but on UT Sundays only it's not scheduled to start until 0500, which you wouldn't know by looking only at transmitter schedules instead of program schedules; and indeed is on at 0701 check.

9980, Feb 22 at 2012, WWCN-4 has crashed again; it was blasting in a few minutes earlier with Brother Scare // much weaker 9955 WRMI (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. 5085, Feb 19 at 0706, WTTW-2 is S9+30 with dead air except for some hum, instead of the Art Bell [non] show. Does anyhuman at station axually monitor it in the nightmiddle?

9474.979, Feb 20 at 0043, WTTW-1 is S9+40, a gospel huxter pretending to pray to God when, like all who do so aloud, he is really still preaching at his non-deity mortal audience. As always, this transmitter with a big hum, and always off-frequency to lo side, about time I measured it on the R-75. By an hour later it's faded way down (Glenn Hauser, OK, DX LISTENING DIGEST)

5085.0, WTTW2 ID "from Lebanon TN" heard at 0540 UT Feb 21, S=9+30dB proper signal, but has also two accompanied spurious of S=4 level on distance of 12.913 Hertz away symmetrical on 5072.087 and 5097.913 kHz.

73 wb (Wolfgang B,schel, Stuttgart, Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] BC-DX TopNews Feb 21 via DXLD)

I have noticed these too; far enough out so on normal bandwidth you don't hear them beating against center carrier, but really fouling up the band. Sometimes the spurs cut off and on, hitting some modulation card barrier?

9930, Feb 22 at 2007, S9+30 open carrier/dead air except some hum from WTTW-2, during `Dave Ramsey` show. While tuning on to a much more interesting carrier on 9275, I leave a receiver on here eventually to discover modulation cutting back on at 2015.4, JIP Ramsey just as he is going to a commercial break. Isn't anyone at station paying

attention?

9930, Feb 24 at 0625, WTTW-2 day frequency is on here in the nightmiddle! With 'Midnight [sic] in the Desert' YL going to a break; poor at S8, and nothing on 5085; topic wormholes to be resumed (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. Good signal of WRNO New Orleans on February 17: from 0400 7505.0 RNO 050 kW / 020 deg ENAm English, scheduled 02-05 <http://swldxbulgaria.blogspot.bg/2016/02/good-signal-of-wrno-new-orleans-on.html> (DX RE MIX NEWS #940 from Georgi Bancov and Ivo Ivanov, Feb 22, 2016, via DXLD)

7504.96, WRNO, on Feb 18 (Thursday), started the Chinese language lesson at 0355 with intro in English and quickly into Chinese. Thanks to Mauno Ritola for contacting WRNO and learning this program is also aired on Saturday (0400-0500), as well as Thursday (Ron Howard, Asilomar State Beach, CA, EtŮn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

7504.917, WRNO New Orleans LA, S=9+20dB proper signal in MA-US. HARD ROCK music type played at 0449 UT, DISTORTED AUDIO! noted also on spoken part via the microphone. 73 wb (Wolfgang B, schel, Stuttgart, Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] BC-DX TopNews Feb 21 via DXLD) Surely the rock was gospel

7504.93, Feb 21 at 0451, WRNO is S9+20 with music, English announcement; haven't yet caught them in Chinese a couple days per week. It's not quite justified yet to round this off to 7505.0 (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. 680, Feb 18 at 1317 UT, ad for a hatter featuring lots of styles and sizes of Stetsons, et al., ``at 119 Broadway, downtown``, another ad for something Texas-size. Gotta be KKYX San Antonio, and yes, 1319 UT YL resumes KKYX News. At 1300 UT I was getting XEORO in Sinaloa (see MEXICO) on 680, but KKYX goes to 50 kW ND day pattern at 1315 UT in Feb (March: 1245 UT), after night pattern of 10 kW SE into the Gulf (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. 1080+, Feb 24 at 0713, country music is ripping up KRLD Dallas talk, loops NW/SE, and only by nulling this can I get KRLD more or less clear from the SSE. Can't be anything but KSLL Price UT, 10 kW daytimer! once again on air at night. Listed as Rock/OLD, so maybe crossing over a bit. It's also slightly off frequency to the hi side making fast SAH with KRLD (Glenn Hauser, OK, DX LISTENING DIGEST)

\*\* U S A. 1370, after rehearing 1380 KRCM on day power, I find something else interesting a channel below (other than nearest KGNO

Dodge City KS, which I NEVER hear, day or night --- is it really active?) --- Feb 24 at 0706 UT, ID for KCRV and KCRVradio.com, country music on ``AM 1370 KCRV``, loops east-west. It's Caruthersville MO, right on the Mississippi River across from TN in the extreme SE corner, address in Kennett further west, 1000/63 watts U1 = always non-direxional, per NRC AM Log.

1380, Feb 21 at 0456 UT, Spanish gospel music is dominant, and on LSB plenty strong not to be splashed by local ESPN 1390 KCRC. Soon Spanish promo for new customers on ``la nueva estaci n de Radio Aleluya, 1590-AM``, address 1600 Pasadena Blvd, Pasadena TX 77562, phone 713-589-1336 during business hours 8-6 l-v, 9-6 s-bado, concluding with ``a n no hemos dicho nada`` (we haven't said anything yet --- ??). Then ad still in Spanish for church services in English! Jueves a 7:30 at La Iglesia del Pueblo in Pasadena, 713-920-1840. 0500 UT illegal ID ONLY for ``KMIC [letters in English], Houston, 15-90 AM, Radio Aleluya``. Then into ranchera style music but must be religious.

Nothing said on 1380 about 1380! Which is really KRCM, Shenandoah TX, 2800/60 watts U1 and this was no 60 watts! Or application for 22000/43 U5, per NRC AM Log, which already had this as a R. Aleluya as of last August, at same Pasadena address as announced above. Shenandoah is a Houston suburb to the north along I-45 closer to Conroe, not necessarily correlating with transmitter site.

At 0500 UT Feb 21, I check 1590 anyway and don't hear enough for a // in the mush, but there is a persistent LAH from about 1589.95 --- what's that? The 1590 5/5 kW night pattern is SE into the Gulf: KMIC calls are a holdover from R. Disney, previous occupant (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

Hi Glenn, Per Topazdesigns it's at 22 kW. It's been heard at night per Rick Dau in Omaha (Todd Skaine, Bloomington MN, Feb 21, ABDX via DXLD)

1380, Feb 23 at 0237 UT, station with ranchera hymn is dominating again, like the non-identifying KRCM Shenandoah TX, relaying KMIC 1590 Pasadena/Houston, as logged two nights ago, obviously still on 2.8 kW ND day facility if not the 22 kW day direxional applied for.

Re 1380, KRCM, Shenandoah TX, now heard twice with strong dominant signal at night, the info that it had an application for 22 kW was from the NRC AM Log as of last summer. Checking current FCC AM Query, we see now they already are LICENSED for 22 kW day power, 50 watts (ha, ha) night power:

<https://transition.fcc.gov/fcc-bin/amq?list=0&facid=14228>

The pdf pattern plot is 404, but the data shows:

<https://transition.fcc.gov/fcc-bin/amq?list=0&hpat=2&facid=14228>

major lobe is to the north and east; minimum to the WSW. Not only are they licensed for 22/0.05 kW, but also have an application for 22/0.043 kW. This involves a transmitter site change at night only.

Currently licensed day and night at  
30 07' 40.00" N Latitude      Power: 22.0 kilowatts (kW) Daytime  
95 57' 35.00" W Longitude (NAD 27)  
with different patterns day and night.

Day site would stay same, but new night site app would be quite moved:  
29 39' 54.00" N Latitude      Power: 0.043 kilowatts (kW) Nighttime  
95 45' 28.00" W Longitude (NAD 27)  
and non-direxional

However, if they are going to run 22 kW at night, why bother with a new 43-watt night-only site presumably closer to the target area? DAIJ Media, LLC, licensee of KRCM, obviously has no respect for the rules, not bothering to ID legally either (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

Hello, This email message is a notification to let you know that a file has been uploaded to the Files area of the RealDX group.

File : /david hamilton/1380.mp3  
Description: 1380  
You can access this file at the URL:  
[since deleted as customary in this ygroup]

Hopefully this is not OCY4U again, received at 0710 this morning;  
cheers (David Hamilton, Scotland(?), Feb 22, RealDX yg via DXLD)

Hi David, at the beginning of your clip "la nueva estaci n en la familia de Radio Aleluya". It's KRCM Shenandoah TX, at 26" they announce the frequency 15-90 AM (KMIC) 73/ (Valter Comuzzi, Italy(?), ibid.)

Many thanks; I think this is a new one for me; cheers (David, ibid.)

I would settle for OCY4U; then I posted my info above as TROTS (gh)

1380, Feb 24 at 0658 UT, same Spanish ad for Iglesia del Pueblo on Pasadena Blvd., as I have heard before from KRCM Shenandoah TX, so I keep tuned to hear if they will finally legally ID? NO, at 0659 UT, ID ONLY for KMIC 1590; 0700 UT into Spanish hymn. I check 1590 a minute later, and nothing directly from that. KRCM is still dominating 1380 here, enough to squeeze past local 1390 KCRC.



KRCM emitting new 22 kW day power toward the northeast at night allowed David Hamilton, UK, to DX it Feb 22 at 0710, as he inquired of RealDX, hoping it wasn't merely the Peruvian again (I would settle for that!). Rodney Johnson, NV, points out:

``I too have been noticing that the "Electric Field Strength pattern plot PDF"

[https://transition.fcc.gov/bureaus/mb/databases/AM\\_DA\\_patterns/1614981-123098.pdf](https://transition.fcc.gov/bureaus/mb/databases/AM_DA_patterns/1614981-123098.pdf) from the main Query Result page is almost always 404. However when you click the "Pattern Data for KRCM" link

<https://transition.fcc.gov/fcc-bin/amq?list=0&hpat=2&facid=14228> and go to the bottom of the data table you will see an "Electric Field Strength pattern plot (PDF)" [identical] link that usually works!

[https://transition.fcc.gov/Bureaus/MB/Databases/AM\\_DA\\_patterns/1614981-123098.pdf](https://transition.fcc.gov/Bureaus/MB/Databases/AM_DA_patterns/1614981-123098.pdf) Only for directional arrays of course. It appears they have a big wide lobe centering on 30 in daytime and a single tower omnidirectional at night --- supposedly! 73s --Rodney`` (Glenn Hauser, OK, WORLD OF RADIO 1814, DX LISTENING DIGEST)

\*\* U S A. 1460, LOUISIANA, WXOK, Port Allen. 1139 February 20, 2016. End of Urban Gospel vocal, black female local ad with phone number, "Yes You Can" by Marvin Sapp, male, "Heaven AM 1460, WXOK" at 1147, into "Shifting the Atmosphere" by Jason Nelson segued to "I Need To Know" by Smokie Norful. Parallel their audio stream at [heaven1460.com](http://heaven1460.com), and song titles on the right center frame. Presume still on night power, 4700/290, though that night pattern has me wondering. Some co-channel from "La X" WQXM, Bartow, FL. This is one of those "W" calls assigned west of the Mississippi, and in this case the tower is a mere mile west (Terry L Krueger, Clearwater FL, NRD-535, IC-R75, roof dipole, active loop, DX LISTENING DIGEST)

\*\* U S A. Glenn, I have been listening to KXEL on 1540 AM for the last ten years or so. They started running an announcement for the last few days about the FCC possibly reducing their nighttime coverage area. They asked listeners to go to their website and sign the petition here:  
<http://www.kxel.com/50KPetition.aspx>

This request may be a first, at least for the last couple of decades or so. THANK YOU, (Artie Bigley, Columbus OH, Feb 24, WORLD OF RADIO 1814, DX LISTENING DIGEST)

Petition speaks only in generalities about FCC changing rules to allow more stations on air at night, harming KXEL and other 50 kW clear channel stations (Glenn Hauser, *ibid.*)

Evidently other/all iHeart conglomerate 50 kW stations are doing these petitions, fill-in-the-blank n WLW, WGY, etc. (gh, DXLD)

\*\* U S A. 1580, Feb 20 at 0126 UT, dominant signal playing Christian hymn by full orchestra, loops NW/SE, soon announcement for 58 degrees in Colorado Springs, time 6:27; Vonage ad read by local announcer, then ones for healthmerchant.net and grasshopper.com phone systems; YL ID: ``Thank you for listening to the all-new AM 1580, KFCS, Colorado Springs-Pueblo; now on with the music`` and 0130 UT into a hymn on piano.

The all-old KFCS had an oldies/shopping format per NRC AM Log. No echo as Larry Godwin, MT, was reporting Jan 18 at 0130 UT making him wonder if there were transmitters in both cities? If so, unknown to FCC AM Query showing licensed to same single site, day and night, 10/0.14 kW, both non-direxional. It's obviously on 10 kW day power now, despite official Feb sunset an hour earlier at 0030 UT! (March: 0100 UT). I can remember when the 1580 in C.S. was KPIK (until 1987y). After several more changes, it only became KFCS last May. Koming From Colorado Springs? (Glenn Hauser, OK, DX LISTENING DIGEST)

With multiple radical format changes in the past year, I would tend to assume it stands for "Kan't Find Commercial Sponsors..." 73 (Tim Hall, CA, ABDX via DXLD)

\*\* UZBEKISTAN. Good signal of BaBcoCk Stream of Praise Music Ministries, Feb 23  
2100-2130 on 7530 TAC 100 kW / 090 deg to EaAs Cantonese/Chinese  
<http://swldxbulgaria.blogspot.bg/2016/02/good-signal-of-babcock-stream-of-praise.html>  
(Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)

\*\* VANUATU. 3944.986, Radio Vanuatu from Port Vila, noted at 1452 UT as S=6-7 signal in Brisbane Queensland Australia remote post (Wolfgang B\_schel, BC-DX, Log on Monday Feb 22 at 1400-1530 UT - mostly in SDR net remote unit in Doha Qatar, but also in Brisbane Queensland Australia, and in southern Germany, [selected SDR options, span 12.5 kHz RBW 15.3 Hertz], dxldyg via DX LISTENING DIGEST)

\*\* VATICAN. Special Vatican Radio transmission for Pope's visit to Mexico --- A bit after the fact, but offered for what it is worth ---

I have heard nothing since this that it was heard by others and indeed I heard nothing in advance about this either, but it appeared to be directed toward the Americas. I'm sure someone will point out that nobody listens to SW in North America, so why bother publicizing it, but if you don't TELL anyone you're on the air, why are you surprised when nobody hears you? If you don't broadcast it, nobody will listen after all! I recall a story somewhere about hiding a light under a bushel basket ---- now, WHAT book was that in?

I received a nice eQSL sheet from Vatican R but despite my asking, they didn't confirm from what site this broadcast may have originated from. SMG? A relay from this continent? Is there any way to find out since they have played their cards close to the vest, so to speak?

/\* 11700 kHz Vatican Radio special English transmission re the Pope's visit to Mexico with the Pope saying Mass in Spanish, and a simultaneous English translation of his comments by a woman. ID in English and Latin by woman at 1916 and then into classical music to round out the half hour. Off abruptly in mid-song at BoH. 454+4+4 1907-1930\* 14/Feb --Zichi MI2 \*/ -- (Kenneth V Zichi, Is it time to cook yet?, Feb 18, dxldyg via DX LISTENING DIGESET)

\*\* VATICAN. EL VOCERO PAPAL DEJA LA DIRECCI" N DE RADIO VATICANA by gruporadioescuchaargentino

Como parte de la reestructura de la comunicaci" n vaticana tras la creaci" n del Dicasterio de la comunicaci" n el 27 de junio de 2015, Giacomo Ghisani asumir· como nuevo representante legal ad interim de la radio, explic" Lombardi a T" lam.

"No habr· un reemplazante espec" fico como Director General", agreg" el vocero de Francisco.

Jesuita nacido en 1942, Lombardi se desempe" aba en la radio de la Santa Sede desde 1990 y entre 2001 y 2013, fue tambi" n director general del Centro Televisivo Vaticano.

El 11 de julio de 2006, el papa em" rito Benedicto XVI lo design" director de la Sala Stampa de la Santa Sede, en sustituci" n del espa" ol Joaqu" n Navarro-Valls.

El nuevo Dicasterio de la Comunicaci" n est· presidido por el italiano Dario Vigan" y engloba nueve instituciones: el Pontificio Consejo de las Comunicaciones Sociales, la Sala Stampa, el Servicio de Internet Vaticano, la Radio Vaticana, el Centro Televisivo Vaticano, el diario L'Osservatore Romano, la Tipograf" Vaticana; el servicio fotogr· fico y la editorial de la Santa Sede (Libreria Editrice Vaticana - LEV), adem· s del sitio web institucional de la Santa Sede y la cuenta de Twitter @pontifex (via <http://www.telam.com.ar/> via GRA blog Feb 24 via DXLD)

\*\* VIETNAM. 9635.796, Voice of Vietnam 1st service from Son Tay site, S=6-7 fair signal at 0114 UT on usual very odd frequency [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang B·schel, noted on remote network SDR station in eastern Thailand, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

\*\* YEMEN [non]. Poor signal of Radio Sana'a, February 15:  
from 1300 on 11860 unknown tx / unknown to N/ME Arabic  
<http://swldxbulgaria.blogspot.bg/2016/02/poor-signal-of-radio-sanaa-february-15.html>  
(DX RE MIX NEWS #940 from Georgi Bancov and Ivo Ivanov, Feb 22, 2016, via DXLD) That's about when it starts fading up to good sig here (gh)

11860, Feb 18 at 1447, Republic of Yemen Radio during drumming and chanting is S9+20; comparing to WRMI: 11825 is only S9+10, but 11565 is S9+20 with less fading. I never have time to stay with ROYR after 1500 to hear how it degrades, but at 1636 recheck it's down to a JBA carrier (Glenn Hauser, OK, DX LISTENING DIGEST)

Rep. Yemen Radio Sanaa (Saudi Arabia Relay?) 11860, 1508 18 FEB - SINPO = 35323. Arabic, female announcer interviewing male over the phone. QSB=rapid rate, deep, modulation mostly above noise floor but fluttery. sf97.3, a34, k4 geomag: active. 50kw?, Omni?, bearing 7 ?. Sangean ATS505 w/MFJ-1020C active antenna used to preselect Magic Wand Antenna hanging indoors on west wall. Received at Las Vegas, United States, 13045KM? from transmitter at Riyadh?. Local time: 0708.

Rep. Yemen Radio Sanaa (Saudi Arabia Relay?) 11860, 1503 19 FEB - SINPO = 35233. Arabic, male announcer giving speech. QSB=ff, fluttery modulation mostly well above noise floor (spot checks: 1550z SINPO=35333 music, 1615z SINPO=14211 JBA carrier). sf96.0, a29, k3, geomag: unsettled. 50kw?, Omni?, bearing 7 ?. Sangean ATS505 w/MFJ-1020C active antenna used to preselect Magic Wand Antenna hanging indoors on west wall. Received at Las Vegas, United States, 13045KM? from transmitter at Riyadh?. Local time: 0703. 73s (--Rodney Johnson, NV, dxldyg via DX LISTENING DIGEST)

Just for fun I had a look today from Web SDR Twente and found Rep. Yemen Radio on 11860 (~1715z) and found them to be quite strong (measures s9+20, with some peaks to +30db on Twente's meter, but I don't take s-meters too seriously, especially when s9 is in the middle of deflection like Twente's is). I've attached a recording of the audio.

I still think we're getting a north polar path instead of south, I just can't imagine a grayline long path like that to be so strong and stable for so long. Now as to where it's coming from and what Transmitter power and antenna --- still anyone's guess, I suppose.

I also take most propagation analysis software results with a huge grains of salt, but attached are screenshots from one of the better ones I have found that were designed more for Hams. It shows the short path being much stronger (Rodney Johnson, Feb 19, audible and visible

via the dxldyg, via DXLD)

I guess this preferable LONG PATH 1330-1430 UT reception via ANTARCTIS of 11860 towards TX / OK will be decreased soon after winter season like in April / May season. wb (Wolfgang B.schel, dxldyg via DXLD)

Rep. Yemen Radio Sanaa (Saudi Arabia Relay?) 11860, 1458 20 FEB - SINPO = 35323. Arabic, male announcer excitedly speaking. (Spot check: 1608z SINPO=45323, music with microtonal vocals) QSB=ff deep, modulation mostly well above noise floor. sf93.5, a15, k1, geomag: very quiet. 50kw?, Omni, bearing 7 ?. Sangean ATS505 w/MFJ-1020C active antenna used to preselect Magic Wand Antenna hanging indoors on west wall. Received at Las Vegas, United States, 13045KM? from transmitter at Riyadh?. Local time: 0658.

11860, 1508 21 FEB - SINPO = 35323. Arabic, female announcer interviewing male over the phone. QSB=ff. (Spot check: 1613z same SINPO, music with microtonal vocals). sf98.9, a6, k0, geomag: inactive. 50kw?, Omni?, bearing 7 ?. Sangean ATS505 w/MFJ-1020C active antenna used to preselect Magic Wand Antenna hanging indoors on west wall. Received at Las Vegas, United States, 13045KM? from transmitter at Riyadh?. Local time: 0708.

11860, 1500 22 FEB - SINPO = 35323. Arabic, music with microtonal vocals. QSB=ff. sf95.7, a4, k1, geomag: very quiet. 50kw?, Omni?, bearing 7 ?. Sangean ATS505 with MFJ-1020C active antenna used to preselect Magic Wand Antenna hanging indoors on west wall. Received at Las Vegas, United States, 13045KM? from transmitter at Riyadh?. Local time: 0700 (Rodney Johnson, NV, dxldyg via DX LISTENING DIGEST)

11860, Rep. of Yemen Radio, Feb 22 at 1430, usual very good signal with Arabic music and talk. I should add that it normally has considerable heavy fading, as if it's coming a long way, and/or over a dynamic path.

As a last resort, we sometimes check the ITU monitoring files, in case they can shed any light, in frequency order. They are accessible from here:

<http://www.itu.int/en/ITU-R/terrestrial/monitoring/Pages/Regular.aspx>

And the latest one for early this year is a 65 page pdf:

<http://www.itu.int/en/ITU-R/terrestrial/monitoring/RegMon/PDFfiles/349.PDF>

But the only entries for 11860 are PBS Xizang (Tibet) at 0414, 0617 and different date at 0430, 0635. ITU Monitoring is very hit-and-miss, in this case, totally missed Yemenism.

HFCC doesn't have Xizang on 11860, but Aoki shows it at 0300-0858

(except Tuesday siesta -0600\*) (Glenn Hauser, OK, DX LISTENING DIGEST)

11860, Feb 22, 1940-1945, Radio Sana'a, Jeddah, in Arabic. OM talks in Arabic; YL talks. Poor signal and barely audible modulation, 25331 (DXer JosÉ Ronaldo Xavier (JRX), Cabedelo [PB] Brazil, Tecsun S-2000, Hard-Core-DX mailing list via DXLD)

Hi Wolfy, I see you tuned around 11860 at about 0238, but you don't mention hearing Sana'a or finding its carrier. Do you think the transmitter was off air at the time of your check? Regards, (Bill Bingham, RSA, Feb 23, dxldyg via DX LISTENING DIGEST)

Dear Bill and Glenn, re Febr 23 UT nighttime reception. In Detroit the 11860 channel was empty, but that means NOT, that Sana'a exile program couldn't be heard for example in Doha Qatar at this time. Last night at Detroit Michigan remote station reception: 31 mb reception was 'normal' like originate from Greece, Egypt, Romania, and proper CRI Cerrik Albania. but all 25 mb services from the er side were rather poor last night.

Usual Sana'a excile 11860 is mostly strong only in 1330-1530 UT slot via long path, - my guess is always southerly Antarctic path propagation during their downunder summer season. 73 wb (Wolfgang B,schel, DX LISTENING DIGEST)

Rep. Yemen Radio Sanaa (Saudi Arabia Relay?) 11860, 1503 23 FEB - SINPO = 35323. Arabic, female announcer interviews male over the phone. QSB=ff, deep, modulation stays well above noise floor with strong peaks. sf93.6, a4, k1, geomag: very quiet. 50kw?, Omni?, bearing 7 ?. Sangean ATS505 w/MFJ-1020C active antenna used to preselect Magic Wand Antenna hanging indoors on west wall. Received at Las Vegas, United States, 13045KM? from transmitter at Riyadh?. Local time: 0703 (Rodney Johnson, NV, dxldyg via DX LISTENING DIGEST)

11860 at 0236 UT Feb 24: local Doha Qatar rather tiny S=5 or -92dBm, heard HQ morning prayer.

Moscow NIL

Greece island S=9+5dB

Calabria Italy tiny S=4 (compare CRI 11870 adjacent S=9+15dB)

Spain NIL

Austria NIL

Belgium S=5 or -96dBm tiny.

Japan NIL

Brisbane Australia NIL

73 wb (Wolfgang B,schel, ibid.)

\*\* ZANZIBAR. 6015, ZBC Radio with anomaly format on Feb 18. Noted

from 0310 to 0330 with African pop music, while normally they would air a long monologue; 0330 went back to their normal format (Ron Howard, Asilomar State Beach, CA, EtŮn E1, antenna: 100' long wire, dxldyg via DX LISTENING DIGEST)

TANZANIA, Reception of Zanzibar BC, including English news, Feb 22  
[Mon]

1500-1800 on 11735 DOL 050 kW / non-dir to CeAf Swahili

1800-1807 on 11735 DOL 050 kW / non-dir to CeAf English

1807-2100 on 11735 DOL 050 kW / non-dir to CeAf Swahili

<http://swldxbulgaria.blogspot.bg/2016/02/reception-of-zanzibar-bc-inclenglish-nx.html>

-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

UNIDENTIFIED. 1500, Feb 18 at 0451 UT, the warble is still weakly audible here with KSTP nulled. It seems there has been no progress the past week in pinpointing the source, but here's a pertinent post from Feb 11 on the IRCA list:

``The 1500 noise is stronger here, in Acworth GA tonight. I went out and repeated the <roughly> 320 (magnetic N reference). On the SDR, the noises are on either side of 1500, leading me to believe that this is not a spur from 1490 or 1510. This is someone on 1500.

In my 37 years as a broadcast engineer, I have encountered a few older transmitters that would "radiate" even when the high voltage was off. Normally this only goes a few miles, if it radiates at all. This typically goes away when the high voltage is "on". (So, the issue may not be apparent during the normal operation of the station.) I do not think this has anything to do with WFED.

I suspect that it is someone with an older transmitter on 1500; they may be signing off, but the transmitter may continue to radiate some sort of trash. Given a relatively 'vacant' channel (relatively speaking --- if there is such a thing anymore) a few dozen watts can travel a surprising distance at night.

I have heard WPOT here "after hours", so could be them, or someone in W. Kentucky, maybe S. Illinois. Although WPOT seems a bit to far west from what I am seeing here. Robert LaFore, Acworth GA``

WPOT is the 250/6 watt station in Trenton TN (near Jackson), also my suspect for other reasons.

1500, Feb 20 at 0134 UT, the warbling is still weakly audible, and KSTP is not too strong, so another attempt to DF it. It now seems a couple degrees above due east. In case there is something in the shack skewing the ferrite in the DX-398, I then go outside to the yard and

the street, but get the same results. This has been narrowed down to three possibilities, the little stations in NW KY, SE MO, and NW TN. Closest to due east is WPOT Trenton TN, 250/6 watts; slightly CCW is the nearest, KDFN Doniphan MO, 1000/0 watts; slightly more CCW is the farthest, WMJL Marion KY, 175/0 watts. Still need someone to visit one or three of these towns at night, as we are too close to the margin of error (Glenn Hauser, OK, DX LISTENING DIGEST)

Nothing from the blues music 1500 station at first, but at 0148 UT Feb 20, there it is, NW/SE, continuing to be assumed as KCLF New Roads LA, 1000/0, or if CP is on, 850/18 watts (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. Bandscanning UT Tue Feb 23, vs approaching storm noise level of S9 to S9+20 at 3.3 MHz, somewhat less on higher frequencies, I encounter a few SSB nets, probably MARS, usually one station somewhat more copiable than any others:

3299-USB, 0210 Feb 23, W&M voices conversing, then into digital modes

4036-USB, 0212 Feb 23, contact between 5AK and 5MG, truncated calls, about antennas

4041-USB, 0213 Feb 23, brief bit of another 2-way

6986.5-USB, 0217 Feb 23, ``shall we keep it open for army only?`` (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED [non]. 4888.0, Feb 18 at 1324, JBA carrier, between 4885 South Korea and 4895 India, so I wonder what? Maybe Ron Howard will find it (Glenn Hauser, OK, DX LISTENING DIGEST)

Ron Howard does reply: ``Hi Glenn - Yes, heard a strong signal; seemed to be OM saying something, but unable to turn it into a readable signal; tried USB, then LSB, then carrier, but nothing worked to make it readable. Military or some type of utility?`` (Glenn Hauser, OK, DX LISTENING DIGEST)

Sorry Glenn, I was completely wrong. Turns out that it was India (AIR Lucknow) off frequency from 4880. This from Hiroshi - <http://hiroshi.mediakat-blog.jp/e115009.html> with the correct explanation. I should have checked my own archive, as I heard Lucknow on 4888 back in 2010 (Ron Howard, San Francisco at Ocean Beach, CA, Feb 21, dxldyg via WORLD OF RADIO 1814, DX LISTENING DIGEST)

UNIDENTIFIED. 5030-, Feb 24 at 1350, JBA carrier slightly on lo side. Some exotic Asian/Pacifican, or just another All Indian off-frequency?



(Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 5112-USB, Feb 20 at 0037, weak 2-way seems English; is this a MARS frequency? Was checking for WBCQ 5110v, which was not yet on. At 0100, a JBA carrier from WBCQ on 5109.7 not overcoming the S7 noise level, while 5112-USB is a trace (Glenn Hauser, OK, DX LISTENING DIGEST) [Later: as a result, WBCQ ordered to move to 5130! --- gh]

\*\* UNIDENTIFIED. NUMBERS STATIONS. Strong signal of S06s & E11, Feb 18  
0900-0905 on 5765 unknown transmitter site to Eu Russian S06s CUSB  
0930-0933 on 9950 unknown transmitter site to Eu English E11 USB  
0930-0935 on 8812 unknown transmitter site to Eu Russian S06s CUSB  
0940-0945 on 9540 unknown transmitter site to Eu Russian S06s CUSB  
<http://swldxbulgaria.blogspot.bg/2016/02/strong-signal-of-numbers-stations-s06s.html>

-- 73! (Ivo Ivanov, QTH: Sofia, Bulgaria, Feb 17, dxldyg via DXLD)

UNIDENTIFIED. 5959.95, Feb 18 at 1339, once again the off-frequency JBA carrier; is it just East Turkistan?

5959.957 approx., Feb 24 at 1354, JBA carrier, another mystery from PacificAsia? (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 7430.0, ??? UNID well modulation sounded program, sounded rather like BBC, but not - my rather guess - AIR Bhopal from India, at S=9+5dB signal heard here in southern Germany. Nice audio quality not to compare to usual bad AIR standards, noted at 0124 UT [selected SDR options, span 12.5 kHz RBW 15.3 Hertz] (Wolfgang B, schel, noted on remote network SDR station in eastern Thailand, Feb 20, wwdxc BC-DX TopNews, dxldyg via DXLD)

UNIDENTIFIED. 9300.0-USB, Feb 23 at 0225, weak 2-way in unknown language. Really no idea, except it unseems tonal (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDentified. Station with Arabic music and Denge Kurdistan, Feb 22:  
0900-0915 9400 unknown (secret/hidden) site UNIDentified Arab music,  
0900-0915 9400 ERV 300 kW / 192 deg to WeAs Kurdish Denge Kurdistan:  
[http://swldxbulgaria.blogspot.bg/2016/02/unidentified-station-with-arabic-music\\_22.html](http://swldxbulgaria.blogspot.bg/2016/02/unidentified-station-with-arabic-music_22.html)

-- 73! (Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

UNIDentified. Station with Arabic music observed again on February 23:  
0900-0920 9550 unknown (secret/hidden) site, poor to good signal today  
[http://swldxbulgaria.blogspot.bg/2016/02/unidentified-station-with-arabic-music\\_23.html](http://swldxbulgaria.blogspot.bg/2016/02/unidentified-station-with-arabic-music_23.html)

(Ivo Ivanov, B'lgariya, dxldyg via DX LISTENING DIGEST)

UNIDENTIFIED. 10025.6/USB, 1901, 22-Feb; 2-way in Oriental language + yelling in background (Harold Frodge, MI, DX LISTENING DIGEST)

UNIDENTIFIED. Lots of USB QSO pirates in Indonesish, Feb 23 at 1430-1440 on 5-kHz spacings: 11460, 11455 (more soft-spoken and more musical), 11450, 11435, 11410, 11405 (sounds YL).

Another batch of Indonesish QSO-pirates, intermittent in USB, Feb 24 at 1424-1430: 11455 (soft-spoken), 11450 (whistling), 11440 (strongest), 11420, 11410 (JBA), 11405 (YL?) (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. 11825, Feb 22 at 0645, JBA carrier. If WRMI is no longer 24h on this frequency, what could it be? Nothing listed at this time. I couldn't remember which night frequency 11825 is paired with to check: 5765 at 355 degrees. I know I had heard it sometime that evening (Glenn Hauser, OK, DX LISTENING DIGEST)

UNIDENTIFIED. Strong signal of numbers station S06s, Feb 24:  
1000-1005 on 12365 unknown transmitter site to Eu Russian in CUSB  
1010-1015 on 14280 unknown transmitter site to Eu Russian in CUSB  
<http://swldxbulgaria.blogspot.bg/2016/02/strong-signal-of-nubmers-station-s06s.html>  
[sic] (Ivo Ivanov, Sofia, B'lgariya, dxldyg via DX LISTENING DIGEST)  
14280 = inside 20m hamband (gh)

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UNSOLICITED TESTIMONIALS

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ACKNOWLEDGED ON WORLD OF RADIO 1814:

Hey Glenn: All the best for the new year. Really appreciate WOR/DXLD - an excellent source of DX and technical information! 73, (Mike Beu KD5DSQ Austin, Texas with a contribution via PayPal to woradio at yahoo.com)

TO BE ACKNOWLEDGED FUTURELY:

Thanks for all you do for Radio listening Worldwide, Glen[n]. I listen to you Wednesdays on WBCQ 7490 at 2200 UT/5:00PM East Coast time here in the Monticello IN USA. All the best! Ramsey with a contribution via PayPal to woradio at yahoo.com (James Reynolds)

One may also contribute by check or MO in US funds on a US bank to P O Box 1684, Enid OK 73702

## PUBLICATIONS

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### WORLD OF RADIO HITLIST UPDATE

Hi Glenn, my latest Hitlist update.

<http://www.w4uvh.net/hitlist.htm>

- 1) Angola - RNA: Added this station and link to live stream of International channel - thanks to Dave Kernick at intervalsignals.net
- 2) Argentina - RAE: Update link to English pages
- 3) Egypt - R Cairo: Added additional link to archived transmissions of NAM 2300 UT broadcast
- 4) India - AIR (new website): Update to link to Home page
- 5) Pakistan - R Pakistan: Update to links Home, Frequencies and on-demand pages
- 6) Serbia - R Serbia: Website is live but dormant and abandoned - note added to entry
- 7) Ukraine - R Ukraine Int: Update to links
- 8) USA - KNLS, Aaska: Updated link to Homepage and on-demand
- 9) Zanzibar - ZBC: Added this station with link to homepage

Unless there's a major change anywhere, the next update will be end of March. Best wishes and 73 (Alan Roe, Feb 27, DX LISTENING DIGEST)

## CONVENTIONS & CONFERENCES

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### 29TH WINTER SWL FESTIVAL WRAP UP

The 29th Winter SWL Festival is now history. About 106 radio hobbyists descended upon Plymouth Meeting to hear a variety of discussions starting with Part 15 Broadcasting (Anthony Messina and Rob Femly) and quickly moving on to Pirate Radio Year in Review (George Zeller and Chris Lobdell), Why We Still Believe in Shortwave (Paul Ladd of World Christian Broadcasting), Longwave Beacons (Kevin Carey), 2016 Survey of Shortwave Receivers (Thomas Witherspoon), The Lows and Highs of the HF Spectrum (Sheldon Harvey and Alan Roberts), Kit Receivers (Skip Arey), Shortwave Shindig (David Goren), Medium Wave: Your Next DX Frontier? (Brett Saylor), Scanning (Eric Cottrell) and Nostalgia Receivers (Dan Robinson).

The FESTivities closed with the banquet, Sheldon Harvey with In Memoriam, Thomas Witherspoon with an Ears to the World update and George Zeller with the Grand Raffle. I had the pleasure of announcing John Cooper of Lebanon, Pennsylvania as the 2016 recipient of the William P. Eddings Award as NASWA's member of the year.

Next year's Winter SWL Festival will be a three day event celebrating thirty years of radio listeners gathering to discuss the hobby. It will be held March 2, 3 and 4, 2017. Thanks to Rich Cuff and John Figliozzi for another great job organizing and running this event with a terrific supporting cast (Rich D'Angelo, PA, NASWA Flashsheet Feb 21 via DXLD)

WORLD OF HOROLOGY  
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#### WWV HISTORICAL ARTICLE

Hello All, I stumbled upon a bit of history that just became available, an article about WWV in the July 1962 'IF' magazine at the Internet Archive.

[https://archive.org/details/1962-07\\_IF](https://archive.org/details/1962-07_IF)

PDF copy at:

[https://archive.org/download/1962-07\\_IF/1962-07\\_IF.pdf](https://archive.org/download/1962-07_IF/1962-07_IF.pdf)

The article is by noted sci-fi author Theodore Sturgeon, and is entitled 'Uncle Sam's Time Machine'; you can find it starting on page 89 (Curtis Sadowski, Paxton, Illinois, WTFDA gg via DXLD)

DIGITAL BROADCASTING --- DRM See INDIA; NEW ZEALAND; NIGERIA  
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DIGITAL BROADCASTING --- DTV [and non] See also MEXICO; OKLAHOMA;  
+++++ USA - WMLK

#### MORE CHANNEL CLOGGERS?

A company from Florida called DTV America currently has applications, construction permits, and licenses for 4 different DTV channels here in the Cleveland/Akron area. I've never actually seen them broadcast. They seem to have a new application every week in a new location. I've seen them apply with transmitters in areas like Canton, Akron, Medina, Cleveland, Doylestown - basically everywhere around northeast Ohio. I don't know what their intent is, but the current stations are W43DB, WEKA-LD, WQDI-LD, and W25EK. [DTV America: See also OKLAHOMA]

I've also heard that they use a portion of their channel spectrum for high-speed internet. From what I've heard, they don't seem to have any interest in serving the local communities, but rather maximizing profit by renting out their spectrum with religious, shopping, and other worthless programming. Is there any limit to licenses the FCC will issue?

On the other hand, should this even be an issue at this point? With

the spectrum auction, I doubt these channels will survive (Andrew Knafel, Jan 29 06:51AM -0800, WTFDA gg via DXLD)

When they run out of spectrum :)

Seriously, the Commission has felt strongly for several decades that they have no right to pass judgement on the type of programming licensees will carry. If an applicant is legally qualified to be licensed (is controlled by citizens who haven't been convicted of serious crimes) and the proposed station won't interfere with anything else, it will be authorized. They don't care what kind of programming will be aired. == (Doug Smith W9WI, Pleasant View, TN EM66, ibid.)

I think the real issue that the FCC has jurisdiction over and is failing miserably on is the interference issue. It doesn't matter if it's AM or FM or TV, they just continue to shoehorn stations into what they perceive as coverage holes based on mathematical formulas which often have no on-the-ground reality attached to them (Russ Edmunds, Blue Bell, PA ( 15 mi NW of Philadelphia ), Jan 30, ibid.)

Exactly, Russ. Great comment (Steve Rich, Indianapolis, IN, ibid.)

For decades, the Commission has faced a conflict. How weak of a signal do you protect? Under the current rules, a Class C station is protected from interference in areas where its signal is estimated at 60dBu or better. That's a radius of 92 kilometers or 55 miles.

When the current rules framework was being considered, they considered protecting Class C stations down to 38.5dBu. That would have been a radius of 156 km or about 93 miles.

Yes, with a rooftop antenna and a quality receiver, a 100kw/2,000' station will deliver a quality signal at 93 miles. On the clock radio on your dresser, you'll have no idea the station is there.

So, you're Commissioner Jones. - You vote for 60dBu -- and the guy who wants to listen to the classical music station 85 miles away is mad because you authorized something that interferes with his reception.

- You vote for 38.5dBu -- and the guy who wants to launch a new 50s oldies station on 96.5 is told he can't because it would interfere with the classical music station 85 miles away that he can't even tell is on the air.

There could be a point to switching to Longley-Rice for FM. The technology has only been practical for a few years - there's a LOT of calculation going on - and with the cell sizes in use it may not be as much better than the old method as one might think. == (Doug Smith

W9WI, Pleasant View, TN EM66, ibid.)

One of the problems with the FCC's current way of doing things is that when it's all added up, it makes for a mess. There seems to be no recognition that the band is finite from a usability standpoint. It's almost as if they're saying, "Just put 'em in and let 'em fight it out." I'm not too sympathetic to the commissions's plight. The FCC is a very poor caretaker - (Rick Lewis, ibid.)

If I were Commissioner Jones, the answer would be easy if the question were that simple. It isn't that simply only because in the majority of cases, there's no need for that new station. More stations fragment an increasingly fickle and distracted a potential audience. We have all sorts of duplication of the same or similar programming within the same market going on in all 3 services, and we have stations going bankrupt regularly.

The FCC's (likely political) enslavement to the idea that more is better and many more is much better is flawed, and that's what has driven the interference parameters over the years. It's been a constant parade of loosening for decades. Creating more and more areas where all a listener can hear is competing interference (leaving IBOC out of the equation here) benefits no one (Russ Edmunds, Blue Bell, PA, ibid.)

Denying a new station because of its proposed programming is awfully hard to reconcile with the First Amendment. You & I might feel Nashville doesn't need yet another country or hip-hop station. My 23-year-old neighbor might feel we really need classic alternative rock but we have far too many religious stations. The 70-year-old across the street might feel there's far too much immoral secular programming on the air & we need \*more\* Christianity.

Which one is right?

In Canada, the CRTC can (and sometimes does) deny new-station applications on the grounds the market can't economically support another station. I suppose we \*could\* do that. I don't think anyone on the political spectrum anywhere between Ted Cruz and Bernie Sanders is willing to step in and tell a would-be businessman he can't launch his business because there's too much competition. Even Bernie sees that as the job of business, not government.

AM is a huge problem, and really indeed a political problem. Non-partisan political but political nonetheless: some Congressman has been convinced his district didn't receive enough AM service & pressured the Commission to help out his constituent. AM allocations are a Swiss cheese of exceptions, frequently if not always

unwarranted.

They tried very hard to do FM differently and IMHO to a large degree succeeded. They set objective allocation standards and since 1964 have stuck to them. Those standards don't protect the kind of installations we DXers use. They do protect the vast majority of receivers used by the real audience.

I think the Commission has made two serious errors:

- I'd love to know who authorized FM translators to relay HD2/HD3 subs. I find it VERY strange that never went through the normal rulemaking process.
- They've abandoned their role in shuttering pirates. Pirates are not a significant issue here in Nashville (I know of only one) but they're obviously a serious problem elsewhere (Doug Smith W9WI, Pleasant View, TN EM66, *ibid.*)

There is enough interference now in TV and the upcoming auction will only make it worse depending on the number of stations who sell "their" spectrum. I had previously believed that the public owned the airways. Not so today. Either way those of us who rely on antennas will lose service (Dave Pomeroy, KS, sent on the new Sprint Network, *ibid.*)

My point wasn't that it should be denied on the basis of programming (which even if legal would be silly because once licensed it could change). Which reminds me of a country song some years back "500 channels and Nothing On". My point was to illustrate that there are too many stations, period, and that adding new ones, regardless of format, would be a very tough sell for me as a Commissioner.

The basepoint is the interference scale being periodically loosened. The duplication of formats, the bankruptcies, etc. are all byproducts of that. If the interference standards had not been relaxed to permit tiny-powered nighttime operations on AM, and way too many translators on FM, things would be far better. On TV, while there are some interference issues, digital has changed that whole equation.

Re pirates, that's far from the only situation where the FCC has abandoned enforcing its own rules. That's a function of massive budget cuts over the past 20 years more than anything else. Every time I drive into Philadelphia, I'll hear pirates. A similar situation exists around Baltimore and DC (Russ Edmunds, Blue Bell, PA, *ibid.*)

Regarding my original post about these nuisance channel cloggers owned by DTV America, I was reading that they plan to use the licenses to broadcast high-speed internet. Now how is that allowed? When did that

become an option? It seems to me that the owners of these licenses just want to make a buck and don't care about providing free useful programming to the people. The article says that their goal is to provide high-speed internet in rural areas, but it seems that they could care less, as all the applications are in already crowded urban areas. Here is the link...  
<http://www.tvnewscheck.com/article/70412/dtvcast-aims-to-broadcast-broadband>

I'm aware that the FCC has certain rules in place to limit interference, but aren't there cases of closely spaced co-channels in the east coast crowded markets? Channel 31 for example is used by full-powered stations in Boston, Hartford, NYC, Philadelphia, and Scranton. And that doesn't cause any interference??

FM is a whole 'nother issue... between IBOC (stations using adjacent stations they aren't licensed for), translators, and LPs... it's quite a mess (Andrew Knafel, *ibid.*)

Russ, There is a fair amount of interference with digital TV, but you have to be in areas approximately equal distant (more accurately equal in signal strength) from markets that have TV transmitters on the same channel (co-channel).

One that I see a fair amount of interference on is WTXF-DT 42 (29) Philadelphia and WMPT DT-42 (22) Annapolis, MD. Apparently due to signal enhancement related to the Chesapeake and Delaware Bay areas and the terrain between those transmitters and my location, I see a greater than would be expected amount of interference between these two signals. The heading for WTXF is around 155 degrees. The heading for WMPT is around 175-180 degrees. When WMPT is enhanced, I have to turn my antenna to around 140-145 degrees to be able to have WTXF decode.

Otherwise the two signals are too close in strength to allow the computer chip in the Zenith box to decode one of the signals. When there are two signals on the same channel the error rate is too high for the computer chip to be able to decode.

On channel 31, there is WPPX Wilmington/ Philadelphia, WSWB Scranton, PA and WPXN NYC. Previously most UHF analog channels were separated by about 180 miles. Scranton to NYC is around 105 miles, NYC to Philadelphia is around 90-95 miles, and Scranton to Philadelphia is around 105-110 miles. There are also channels 11 & 13 in NYC, Baltimore and Wilkes-Barre, PA. There is more separation on these, but a similar situation exists.

The areas of interference that have been created by this short spacing result in "Zones of Interference" where neither signal can be



received clearly. Sometimes use of antenna phasing helps, other times adjusting the antenna position or inclination helps, other times nothing will alleviate the interference (Bob Seaman Hazleton, PA, *ibid.*)

Doug, It seems a bit odd that Class A FM stations are protected to 60 dB level; Class B FM stations are protected to the 54 dB signal level area, and Class C stations are only protected to the 60 dB level. You would expect the Class C stations to be protected to the 54 dB level similar to the Class B stations.

Also with the level of radio and receiver reception ability, I have found that a fairly good car radio with a whip antenna will provide a good signal well beyond the 54 dB signal level areas. I haven't measured it, but I suspect it is somewhere in the low 40 dB signal levels that still provide good reception even while driving in the car. I am more familiar with the 54 dB signal level areas of the Class B stations in my area. Class C stations aren't found until you get into southern VA. I have listened to a couple of Class C stations in that area while traveling (Bob Seaman, *ibid.*)

Where I am, of course, I have no such issues. At your elevation, and location, all sorts of propagation effects apply. IMHO, much of the TV problem arises from the conversion to digital TV with lower power, either a signal or not, and consequent reduced coverages. Then there's the continuing problem of multipath - despite added power, neither 6 nor 12 are free from drop-outs, although I'm only using an indoor antenna despite being almost line of sight to WPVI at relatively short distance.

But as has been pointed out already this all derives from a spectrum grab intended in theory to provide greater amounts of data service and filled with lots of greedy brokers as well (Russ Edmunds, Blue Bell, PA (15 mi NW of Philadelphia), Grid FN20id, *ibid.*)

1) DTV America is also doing regular TV. They've done a wide-ranging deal with Katz, owner of Bounce, Grit, Escape, and Laff, and they've picked up GetTV, Buzzr, and some of the other networks in markets where they're not on full-power stations. I don't know if their long-term goal has changed or if this is a short-term play.

2) Stations are allowed to provide ancillary services (such as data services) as long as they provide 5% of gross revenues to the FCC and provide at least one SD video stream. See 47CFR73.624(c), (d), and (g).

3) Stations are allowed to voluntarily accept interference. So in the case of the five channels 31, most of the stations agreed to accept

the interference. WFXT, WSWB, and WPPX were assigned channel 31 (plus WPXN analog). WTIC next agreed to move to 31, accepting interference from WFXT and WPXN analog. Then, during channel elections, WPXN agreed to accept interference from WTIC, WPPX, and WSWB. And that's how five stations came to be on channel 31 in such close proximity.

Interference in the baseline of each one, as calculated by the FCC and from all sources:

WFXT: 3.88%  
WTIC: 16.48%  
WPXN: 6.13%  
WPPX: 10.12%  
WSWB: 6.97%

New interference up to 0.5% is permitted for new applications. During the DTV transition, and for LPTV stations today, that number is 2%. And that's 2% into the LPTV station; the LPTV station cannot cause more than 0.5% to a full-power station (Trip Ericson, <http://www.rabbitears.info> *ibid.*)

DTV America currently has 4 licenses, 3 applications, and 1 construction permit in the Cleveland area for 4 different channels. Is there a limit to how many channels they can be licensed on? (Andrew Knafel, *ibid.*)

There are no ownership limits on LPTV or Class A stations, only on full-power stations (- Trip Ericson, *ibid.*)

And none on FM translators! (Russ Edmunds, Blue Bell, PA, *ibid.*)

But I'd still argue, how do you deny an application that's technically acceptable (doesn't cause signal interference) without running afoul of the First Amendment? You may not be saying outright "country music is less important than classical" but you're deciding that whatever Acme Broadcasting Corporation wants to say should not be said.

For full-power FM stations they really haven't been loosened since 1964. I don't have the original FM translator regulations handy but the protection contours that apply today are the same ones that apply to full-power stations.

They do waive 2nd and 3rd-adjacent restrictions but only if you can show nobody lives in the interference area (which is not difficult to accomplish. When I did W279CH we found the 2nd-adjacent interference zone to WKDF didn't even reach the ground -- and the W279CH antenna is only 40 feet high).

You definitely have a point with regard to AM. The Commission should never have authorized daytime-only AM stations. AM allocations are a mess of poorly chosen exemptions (Doug Smith W9WI, *ibid.*)

Yet another firm that thinks they can make this work. Yes, ATSC can do a fair job of sending 19,200,000 bits per second to a pile of homes. That's very useful for broadcasting. It's not quite so useful for Internet access. For two reasons:

- It's sending the *\*same\** 19,200,000 bits to every home in the service area. Divide it out & if you want at least 1Mbps to each subscriber, there'd better not be more than 20 subscribers.

- It's sending those bits *\*to\** every home. It doesn't have a way to receive anything back. If you have a decent return path, you don't need DTV America. This has been proposed before. I don't know of anyone who's made it work financially (Doug Smith W9WI, *ibid.*)

That's what I thought too. Since they can only send a limited amount of data over a DTV channel, then how's that going to work? It sounds like a bad idea. But I'm still wondering why they need four stations in the Cleveland market? Would they want four channels to send more data? They have one construction permit for downtown Cleveland and 3 applications on different channels in the same spot!! It's one thing to not have a voice, but do you need four licensed stations in one spot? Perhaps it would be a good idea to put limits on these LDs, CDs, and FM translators just like the full-power signals (Andrew Knafel, *ibid.*)

Trip, WSWB had channel 31 for their digital transmitter pre-transition. They were supposed to go back to channel 38 post-transition, but they asked the FCC to allow them to stay on channel 31. They probably did this to save the cost of changing the digital transmitter from 31 to 38. They probably didn't care if there would be interference for a small number of over the air viewers in their market area. Since the majority of viewers get the signal from cable or satellite, the over the air issue wasn't a major consideration.

The other issue is that stations had a limited number of channels to pick from post-transition. They ended picking the channel with the least amount of interference from adjacent markets. They also took into consideration the cost of the transmitter and antenna that would be needed with the channel that they picked.

As an example, WPVI Philadelphia was assigned channel 64 pre-transition. They had to find a channel to replicate the coverage area for their analog channel 6. After they checked all of the potential channels available and potential interference from adjacent markets,

they ended up back on channel 6. That was one channel that would replicate their coverage area and had very few adjacent market interference issues (Bob Seaman, Jan 31, *ibid.*)

It's true that four channels delivers four times the data. Of course, not every application gets granted; you ask for channel 43 in Canton but it could be that someone else outbids you. If you want one station, maybe you file applications for six different channels & hope one of them gets granted. If more than one is granted, maybe you sell the extras. But a construction permit has a limited life. If you can't sell them before they expire, you have to build them out.

The LPTV service grew out of the TV translator service. The FCC envisioned both translator services (TV & FM) occasionally requiring multiple commonly-owned stations at the same site. For TV, the local government might want to translate the nearest ABC, CBS, and NBC affiliates - and not have to pick just one. For FM, they might want a selection of four or five Salt Lake City stations to relay into St. George or wherever.

IMHO they simply forgot about a number of these regulations when they started authorizing LPTVs to originate programming. The "FrankenFM" thing on channel 6, for example, is the result of an oversight in the technical regulations. They *could* have restricted a single owner to one station originating programming (and as many as they want relaying the programming of other stations).

There aren't many cases of a single firm owning numerous FM translators in the same market. I think a bigger issue is that of "virtual stations". Translators relaying HD2/HD3 subs, and translators relaying distant stations via satellite.

If I were appointed "dictator of the FCC", I would:

- #require translators to relay the primary station without changing any parameters except frequency and amplitude. (and polarization)
- @require that translators outside the coverage area of the primary station and fed by other than off-air reception be *not* commonly-owned with the primary station.

# That provision already exists in 74.1201(a), how relaying a HD2 into analog mode is consistent with this regulation is beyond me.

@ This is the opposite of current practice which requires that the translator *is* commonly-owned with the primary.  
(Doug Smith W9WI, Pleasant View, TN EM66, *ibid.*)

The initial translator rules were rather lax to begin with, and as you

note have been further reduced. The Commission also would have been working more in the public interest to include ownership limitations for # of translators, either in conjunction with our separately from regular stations.

For regular stations, the initial interference rules also erred on the side of 'the more the merrier'. That's the basis of my overall objection to the FCC's actions for decades, and it underlies all 3 services. But if that wasn't enough, then relaxing standards on a case by case basis to shoehorn more stations in made it worse.

As far as I can see it, the FCC doesn't have and hasn't had a grasp of what actual propagation is outside of the lab. If a station can be easily and cleanly heard on a car radio driving all around a market, there is simply no need to supplement it with either translators or actual stations overlapping the same area multiple times. I can sit in my driveway in the car and hear the same programming on at least 5 frequencies, all at listenable levels, and this is true for at least 3 "networks" of stations and translators. The same applies to the close spacing of stations in the lower end of the band - such that the interference zones are larger by far than any of the actual listenable coverage areas, which then results in most or all being granted power increases, which doesn't solve anyone's problems.

The format argument, for several reasons, some of which I've already covered, is a red herring - true, it's a red herring which some courts would probably not see through. The issue is interference. Bob Seaman has and can provide numerous examples of translators being approved in places that caused serious interference in NEPA and had to be moved multiple times, and in several cases, these eventually died because there really was no possibility of non-interference, despite what the formulas had to say (Russ Edmunds, *ibid.*)

I certainly see the point in limiting the number of translators owned -- but it's also easy to see places where such a limit might not have been in the public interest. I'm thinking, for example, of Utah. Where several SLC stations have had translators (both FM and TV) across most of the state. Many of these communities aren't large enough to support local FM service; none are large enough to support local TV. Limiting a single station to, say, five translators would have left most of the state without FM & TV service.

It's a lot easier to state a regulatory premise than it is to distill it into a regulation that will survive lawyers :)

I suppose one thought would be to restrict the use of translators to areas where no service exists from full-power stations.

> to the FCC's actions for decades, and it underlies all 3 services. But if that wasn't enough, then relaxing standards on a case by case basis to shoehorn more stations in made it worse.

For FM, the 1964 rules established a maximum power/antenna height for each class of station. They then established a definition of interference (if the interfering signal 10% or more of the time exceeds 1/100 of the protected signal, interference exists -- and the interfering signal will not be licensed). And they established a table of distances under which interference will be presumed to not occur.

Exceptions were only made for stations that already existed when the 1964 rules were adopted.

Eventually "contour protection" rules were added which allowed one to build a station "too close" to another. You were required to reduce power (at least in the direction of the other station) to remain compliant with the 10%-1/100 signal standard.

TV rules were similar (but all went out the window with digital :) ).

The relaxation of standards only applies to AM (and it DOES apply to AM, in spades)

The quality of FM receivers has also dramatically improved. Signals that didn't provide useful service 50 years ago are very much useful today.

> interference zones are larger by far than any of the actual listenable coverage areas, which then results in most or all being granted power increases, which doesn't solve anyone's problems.

Again when writing rules you have to be able to quantify it. Which car radio? How often do you sample the station? How clean is "clean"? Over how much area must the signal be noticeably weak before it qualifies for a translator?

The FCC propagation curves are indeed not the best option out there. They were the best option for a long time, it's only been maybe 10-15 years that terrain modeling has been practical (yes, we should have gone to terrain modeling 7-10 years ago. Then again, analog full power TV went dark six years ago & the technical rules are still on the books :) ).

> multiple times, and in several cases, these eventually died because there really was no possibility of non-interference, despite what the formulas had to say.

Interference in areas where the "victim" station was not predicted to provide useful service. Luckily, the translator rules do provide for shuttering a translator if it causes actual interference, even if the propagation curves don't predict it.

Maybe once repacking is done, the Commission will have a chance to consider terrain modeling for FM. == (Doug Smith W9WI, Pleasant View, TN EM66, ibid.)

#### RADIO EQUIPMENT FORUM

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#### "STEEPLEJACK" WHO FELL OFF A RADIO TOWER

On this old episode of To Tell The Truth, aptly-named Leon Plunk describes falling off radio towers and smokestacks, grabbing a guy wire on the way down. He mentions a 1600 foot radio tower in Cape Girardeau MO:

<https://youtube.com/watch?v=5nilNj8pEUQ>

(Tim Hall, CA, Sent from my BlackBerry 10 smartphone, Feb 23, ABDX via DXLD)

Must be KFVS-TV, analog 12, which for a while held the title of tallest man-made structure; not a ``radio`` tower unless FMs were also mounted on it (Glenn Hauser, DXLD)

#### PROPAGATION

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#### UNIVERSITY PROJECT TO LAUNCH DEVICE IN SPACE

eHam.net News February 21, 2016

The University of Malta is planning to send a 250 gram device into space in a project being held with the University of Birmingham, the Malta Amateur Radio League (MARL), and the Italian Astrodynamics company, GAUSS Srl. The 5x5x5 cm device, referred to as a PocketQube pico-satellite, will be launched in 2018 into a sun-synchronous low earth orbit (LEO) and will be used to validate on-board equipment that will study the properties of an ionised region of the Earth's upper atmosphere (known as the ionosphere).

This project will pave the way for a swarm of eight such satellites that will spread over a large geographical area and hence gain better coverage of changeable ionospheric conditions which affect radio communications. More here:

<http://www.eham.net/articles/36217>

Posted by: (Mike Terry, Feb 23, dxldyg via DXLD)

:Product: Weekly Highlights and Forecasts  
:Issued: 2016 Feb 22 0359 UTC  
# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center  
# Product description and SWPC contact on the Web  
# <http://www.swpc.noaa.gov/weekly.html>  
#  
# Weekly Highlights and Forecasts  
#  
Highlights of Solar and Geomagnetic Activity 15 - 21 February 2016

Solar activity reached moderate levels early in the period due to an M1/1n flare (R1-minor radio blackout) from Region 2497 at 1056 UTC on 15 Feb, but low levels of activity were observed on 16-19 Feb with very low levels observed on 20-21 Feb as Region 2497 rotated behind the west limb. Region 2497 (N13, L=087, class/area=Eac/250 on 12 Feb) was the largest, most magnetically complex and active sunspot region on the disk this period, however, despite the frequency of solar activity this period no Earth-directed coronal mass ejections (CMEs) were observed.

No proton events were observed at geosynchronous orbit.

The greater than 2 MeV electron flux at geosynchronous orbit reached moderate levels on 15-16 Feb but an enhanced solar wind environment due to a coronal hole high speed stream (CH HSS) caused an increase to high flux levels throughout the remainder of the period (17-21 Feb), with a peak value of 36,500 pfu observed at 1755 UTC on 19 Feb.

Geomagnetic field activity reached G2 (Moderate) geomagnetic storm levels this period. The onset of a south polar-connected negative polarity CH HSS caused and isolated period of active conditions late on 15 Feb, unsettled to G2 (Moderate) geomagnetic storms on 16-17 Feb, and unsettled to G1 (Minor) geomagnetic storms on 18 Feb. As the CH HSS rotated out of geoeffective position, geomagnetic field activity decreased from quiet to unsettled levels on 19-20 Feb to quiet levels on 21 Feb due to the return of a nominal solar wind regime.

#### FORECAST OF SOLAR AND GEOMAGNETIC ACTIVITY 22 FEBRUARY - 19 MARCH 2016

Solar activity is likely to be at low levels with a slight chance for M-class flares (R1-R2 (Minor-Moderate) Radio Blackouts) on 22-29 Feb and 15-19 Mar. C-class flares are expected on 01-14 Mar with a chance for M-class flares due to the anticipated return of Region 2497 (N12, L=087) which produced four M-class flares last rotation.



No proton events are expected at geosynchronous orbit, barring any significant flare activity.

The greater than 2 MeV electron flux at geosynchronous orbit is expected to reach high levels on 22 Feb and 15-19 Mar due to an enhanced solar wind environment caused by coronal hole high speed streams (CH HSSs). Moderate levels are likely on 23-24 Feb, 04-05, 07-08 and 13-14 Mar with low flux levels expected for the remainder of the period.

Geomagnetic field activity is likely to reach G1 (Minor) geomagnetic storm levels on 14-16 Mar and active field conditions are likely on 01, 03, 06 and 17 Mar, all due to the effects of multiple CH HSSs. The remainder of the period is expected to be at quiet or quiet to unsettled levels under a nominal solar wind regime.

:Product: 27-day Space Weather Outlook Table 27DO.txt

:Issued: 2016 Feb 22 0359 UTC

# Prepared by the US Dept. of Commerce, NOAA, Space Weather Prediction Center

# Product description and SWPC contact on the Web

# <http://www.swpc.noaa.gov/wwire.html>

#

# 27-day Space Weather Outlook Table

# Issued 2016-02-22

#

| # | UTC         | Radio Flux | Planetary | Largest  |
|---|-------------|------------|-----------|----------|
| # | Date        | 10.7 cm    | A Index   | Kp Index |
|   | 2016 Feb 22 | 100        | 5         | 2        |
|   | 2016 Feb 23 | 105        | 5         | 2        |
|   | 2016 Feb 24 | 110        | 8         | 3        |
|   | 2016 Feb 25 | 110        | 8         | 3        |
|   | 2016 Feb 26 | 105        | 8         | 3        |
|   | 2016 Feb 27 | 100        | 8         | 3        |
|   | 2016 Feb 28 | 100        | 8         | 3        |
|   | 2016 Feb 29 | 105        | 5         | 2        |
|   | 2016 Mar 01 | 110        | 15        | 4        |
|   | 2016 Mar 02 | 115        | 10        | 3        |
|   | 2016 Mar 03 | 115        | 12        | 4        |
|   | 2016 Mar 04 | 115        | 8         | 3        |
|   | 2016 Mar 05 | 115        | 5         | 2        |
|   | 2016 Mar 06 | 115        | 15        | 4        |
|   | 2016 Mar 07 | 115        | 10        | 3        |
|   | 2016 Mar 08 | 110        | 8         | 3        |
|   | 2016 Mar 09 | 110        | 5         | 2        |
|   | 2016 Mar 10 | 105        | 5         | 2        |
|   | 2016 Mar 11 | 105        | 8         | 3        |
|   | 2016 Mar 12 | 105        | 5         | 2        |

|             |     |    |   |
|-------------|-----|----|---|
| 2016 Mar 13 | 105 | 12 | 3 |
| 2016 Mar 14 | 100 | 30 | 5 |
| 2016 Mar 15 | 100 | 30 | 5 |
| 2016 Mar 16 | 95  | 30 | 5 |
| 2016 Mar 17 | 95  | 15 | 4 |
| 2016 Mar 18 | 95  | 8  | 3 |
| 2016 Mar 19 | 95  | 5  | 2 |

(SWPC via WORLD OF RADIO 1814, DXLD)

#### GLENN'S PROPAGATION OUTLOOK FOR MEDIA NETWORK PLUS AS OF FEB 25, 2016

Keith, from IPS in Australia, the Global HF Propagation forecast: normal at low and middle latitudes February 26-27, normal to fair at high latitudes on Feb 26.

From Spaceweather South Africa thru Feb 27, magnetic conditions quiet to unsettled, shortwave fadeouts unlikely, MUF unstable.

From Met Office UK, the Four-Day Space Weather Summary thru February 28: Solar activity is expected to remain low. Geomagnetic activity levels mainly quiet.

From Petr Kolman of the Czech Propagation Interested Group: the Geomagnetic field will be:

mostly quiet on February 26

quiet to unsettled on February 27 - 28, March 2, 4, 7 - 8, 11 - 12

quiet to active on February 29, March 1, 3, 5 - 6, 9 - 10, 13, 16

From SWPC in Boulder: Active geomagnetic field conditions likely on March 1, 3, 6 and 17 with A and K indices peaking at 15 and 4.

Geomagnetic field likely to reach G1 (minor) storm levels on March 14-16 with As and Ks of 30 and 5.

The quietest dates of 5 and 2 will be February 29, March 5, 9, 10 and 12. Solar flux rising from 100 on February 28 to 115 on March 2 to 7, down to 95 by March 16.

William Hepburn's VHF-UHF-microwave DX maps call for extreme tropospheric ducting along the west and south coasts of Australia from February 27 to March 2; along all coasts of Namibia and South Africa March 1 and 2, and also off the central and northern coast of Chile; all week off the Pacific coast of Mexico; all week from India to Oman, and February 26 further to Yemen (via DXLD) ###